

2.5.1. Mechanism of Internal/ External Assessment is transparent and the grievance redressed system is time bound and efficient

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., Act. No. 30 of 2008)
ANANTHAPURAMU-515 002 (A.P) INDIA

**Academic Regulations (R19) for
B.Pharm (Regular-Full time)**
(Effective for the students admitted into 1 year from the Academic Year 2019-2020 onwards)

Pharmacy Council of India
New Delhi

**Rules & Syllabus for the Bachelor
of Pharmacy (B. Pharm) Course**

[Framed under Regulation 6, 7 & 8 of the Bachelor of
Pharmacy (B. Pharm) course regulations 2014]

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2. N. Krishnaneni 3. *[Signature]* 4. *[Signature]*
5. *[Signature]* 6. *[Signature]*

CHAPTER- I: REGULATIONS

1. Short Title and Commencement

These regulations shall be called as "The Revised Regulations for the B. Pharm. Degree Program (CBCS) of the Pharmacy Council of India, New Delhi". They shall come into effect from the Academic Year 2016-17. The regulations framed are subject to modifications from time to time by Pharmacy Council of India.

2. Minimum qualification for admission

First year B. Pharm:

Candidate shall have passed 10+2 examination conducted by the respective state/central government authorities recognized as equivalent to 10+2 examination by the Association of Indian Universities (AIU) with English as one of the subjects and Physics, Chemistry, Mathematics (P.C.M) and or Biology (P.C.B / P.C.M.B.) as optional subjects individually. Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

2.2. B. Pharm lateral entry (to third semester):

A pass in D. Pharm. course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

3. Duration of the program

The course of study for B.Pharm shall extend over a period of eight semesters (four academic years) and six semesters (three academic years) for lateral entry students. The curricula and syllabi for the program shall be prescribed from time to time by Pharmacy Council of India, New Delhi.

4. Medium of instruction and examinations

Medium of instruction and examination shall be in English.

5. Working days in each semester

Each semester shall consist of not less than 100 working days. The odd semesters shall be conducted from the month of June/July to November/December and the even semesters shall be conducted from December/January to May/June in every calendar year.

6. Attendance and progress

A candidate is required to put in at least 80% attendance in aggregate of all courses considering theory and practical separately. The candidate shall complete the prescribed course satisfactorily to be eligible to appear for the respective examinations.

7. Program/Course credit structure

As per the philosophy of Credit Based Semester System, certain quantum of academic

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work viz. theory classes, tutorial hours, practical classes, etc. are measured in terms of credits. On satisfactory completion of the courses, a candidate earns credits. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly, the credit associated with any of the other academic, co/extra-curricular activities is dependent upon the quantum of work expected to be put in for each of these activities per week.

7.1 Credit assignment

7.1.1 Theory and Laboratory courses

Courses are broadly classified as Theory and Practical. Theory courses consist of lecture (L) and /or tutorial (T) hours, and Practical (P) courses consist of hours spent in the laboratory. Credits (C) for a course is dependent on the number of hours of instruction per week in that course, and is obtained by using a multiplier of one (1) for lecture and tutorial hours, and a multiplier of half (1/2) for practical (laboratory) hours. Thus, for example, a theory course having three lectures and one tutorial per week throughout the semester carries a credit of 4. Similarly, a practical having four laboratory hours per week throughout semester carries a credit of 2.

7.2 Minimum credit requirements

The minimum credit points required for award of a B. Pharm. degree is 208. These credits are divided into Theory courses, Tutorials, Practical, Practice School and Project over the duration of eight semesters. The credits are distributed semester-wise as shown in Table IX. Courses generally progress in sequences, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester-wise schedule of courses given in the syllabus.

The lateral entry students shall get 52 credit points transferred from their D. Pharm program. Such students shall take up additional remedial courses of 'Communication Skills' (Theory and Practical) and 'Computer Applications in Pharmacy' (Theory and Practical) equivalent to 3 and 4 credit points respectively, a total of 7 credit points to attain 59 credit points, the maximum of I and II semesters.

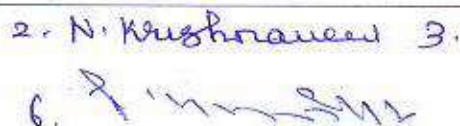
8. Academic work

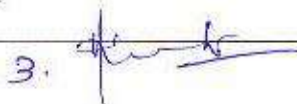
A regular record of attendance both in Theory and Practical shall be maintained by the teaching staff of respective courses.

8.1 Induction Program (zero semester)

Induction program for students to be offered at zero semester to bring the conducive atmosphere among the students community right at the start of the first year for duration of three weeks.

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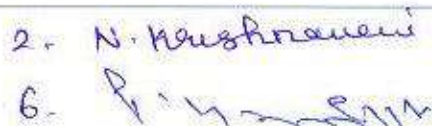
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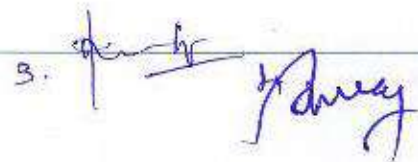
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- a) Physical activity – Sports, Yoga, Heartfulness relaxation and meditation
- b) Creative Arts
- c) Universal Human Values
- d) Literary
- e) Proficiency Modules
- f) Lectures by Eminent People
- g) Visits to local Areas
- h) Familiarization to Dept. & Innovations

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9. Course of study

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in Table – I to VIII. The number of hours to be devoted to each theory, tutorial and practical course in any semester shall not be less than that shown in Table – I to VIII.

Table-I: Course of study for semester I

Course code	Name of the course	No. of Hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I– Theory	3	1	4
BP102T	Pharmaceutical Analysis I – Theory	3	1	4
BP103T	Pharmaceutics I – Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
BP105T	Communication skills – Theory *	2	-	2
BP106RBT BP106RMT	Remedial Biology/ Remedial Mathematics – Theory*	2	-	2
BP107P	Human Anatomy and Physiology – Practical	4	-	2
BP108P	Pharmaceutical Analysis I – Practical	4	-	2
BP109P	Pharmaceutics I – Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
BP111P	Communication skills – Practical*	2	-	1
BP112RBP	Remedial Biology – Practical*	2	-	1
BP113CV	Comprehensive Viva-Voce [†] – I	-	-	-
Total		32/34[§]/36	4	27/29[§]/30

*Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB)course.

[§]Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM)course.

* Non University Examination (NUE)

[†]Non University Examination (NUE) with grading

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Table-II: Course of study for semester II

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II – Theory	3	1	4
BP202T	Pharmaceutical Organic Chemistry I – Theory	3	1	4
BP203T	Biochemistry – Theory	3	1	4
BP204T	Pathophysiology – Theory	3	1	4
BP205T	Computer Applications in Pharmacy – Theory *	3	-	3
BP206T	Environmental sciences – Theory *	3	-	3
BP207P	Human Anatomy and Physiology II – Practical	4	-	2
BP208P	Pharmaceutical Organic Chemistry I – Practical	4	-	2
BP209P	Biochemistry – Practical	4	-	2
BP210P	Computer Applications in Pharmacy – Practical*	2	-	1
BP211CV	Comprehensive Viva-Voce [†] – II	-	-	-
Total		32	4	29

* Non University Examination (NUE)

[†] Non University Examination (NUE) with grading

Table-III: Course of study for semester III

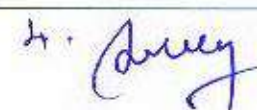
Course code	Name of the course	No. of hours	Tutorial	Credit points
BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	4
BP302T	Physical Pharmaceutics I – Theory	3	1	4
BP303T	Pharmaceutical Microbiology – Theory	3	1	4
BP304T	Pharmaceutical Engineering – Theory	3	1	4
BP305P	Pharmaceutical Organic Chemistry II – Practical	4	-	2
BP306P	Physical Pharmaceutics I – Practical	4	-	2
BP307P	Pharmaceutical Microbiology – Practical	4	-	2
BP 308P	Pharmaceutical Engineering – Practical	4	-	2
BP309CV	Comprehensive Viva-Voce [†] – III	-	-	-
Total		28	4	24

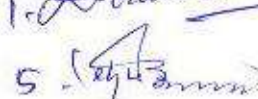
[†] Non University Examination (NUE) with grading

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Table-IV: Course of study for semester IV

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP401T	Pharmaceutical Organic Chemistry III – Theory	3	1	4
BP402T	Medicinal Chemistry I – Theory	3	1	4
BP403T	Physical Pharmaceutics II – Theory	3	1	4
BP404T	Pharmacology I – Theory	3	1	4
BP405T	Pharmacognosy and Phytochemistry I – Theory	3	1	4
BP406P	Medicinal Chemistry I – Practical	4	-	2
BP407P	Physical Pharmaceutics II – Practical	4	-	2
BP408P	Pharmacology I – Practical	4	-	2
BP409P	Pharmacognosy and Phytochemistry I – Practical	4	-	2
BP410CV	Comprehensive Viva-Voce ^e – IV	-	-	-
Total		31	5	28

^e Non University Examination (NUE) with grading

Table-V: Course of study for semester V

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP501T	Medicinal Chemistry II – Theory	3	1	4
BP502T	Industrial Pharmacy I – Theory	3	1	4
BP503T	Pharmacology II – Theory	3	1	4
BP504T	Pharmacognosy and Phytochemistry II – Theory	3	1	4
BP505T	Pharmaceutical Jurisprudence – Theory	3	1	4
BP506P	Industrial Pharmacy I – Practical	4	-	2
BP507P	Pharmacology II – Practical	4	-	2
BP508P	Pharmacognosy and Phytochemistry II – Practical	4	-	2
BP509CV	Comprehensive Viva-Voce ^e – V	-	-	-
Total		27	5	26

^e Non University Examination (NUE) with grading

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Table-VI: Course of study for semester VI

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP601T	Medicinal Chemistry III – Theory	3	1	4
BP602T	Pharmacology III – Theory	3	1	4
BP603T	Herbal Drug Technology – Theory	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	4
BP605T	Pharmaceutical Biotechnology – Theory	3	1	4
BP606T	Quality Assurance – Theory	3	1	4
BP607P	Medicinal chemistry III – Practical	4	-	2
BP608P	Pharmacology III – Practical	4	-	2
BP609P	Herbal Drug Technology – Practical	4	-	2
BP610CV	Comprehensive Viva-Voce ^e – VI	-	-	-
Total		30	6	30

^e Non University Examination (NUE) with grading

Table-VII: Course of study for semester VII

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP701T	Instrumental Methods of Analysis – Theory	3	1	4
BP702T	Industrial Pharmacy II – Theory	3	1	4
BP703T	Pharmacy Practice – Theory	3	1	4
BP704T	Novel Drug Delivery System – Theory	3	1	4
BP705P	Instrumental Methods of Analysis – Practical	4	-	2
BP706PS	Practice School*	12	-	6
BP707MC	Constitution of India ^e	-	-	-
BP708CV	Comprehensive Viva-Voce ^e – VII	-	-	-
Total		28	5	24

* Non University Examination (NUE)

^e Non University Examination (NUE) with grading

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Table-VIII: Course of study for semester VIII

Course code	Name of the course	No. of Hours	Tutorial	Credit points
BP801T	Biostatistics and Research Methodology	3	1	4
BP802T	Social and Preventive Pharmacy	3	1	4
BP803ET	Pharma Marketing Management	3 + 3 = 6	1 + 1 = 2	4 + 4 = 8
BP804ET	Pharmaceutical Regulatory Science			
BP805ET	Pharmacovigilance			
BP806ET	Quality Control and Standardization of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			
BP810ET	Experimental Pharmacology			
BP811ET	Advanced Instrumentation Techniques			
BP812ET	Dietary Supplements and Nutraceuticals			
BP813PW	Project Work	12	-	6
BP814MC	Essence of India Traditional Knowledge ^e	-	-	-
BP815CV	Comprehensive Viva-Voce ^f – VIII	-	-	-
Total		24	4	22

^f Non University Examination (NUE) with grading

Table-IX: Semester wise credits distribution

Semester	Credit Points
I	27/29 ^b /30 ^a
II	29
III	26
IV	28
V	26
VI	26
VII	24
VIII	22
Extracurricular/ Co curricular activities	01 ^a
Total credit points for the program	209/211^b/212^a

* The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

^bApplicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics course.

^aApplicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.

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9.1 Mandatory Courses (Non credit courses)

Mandatory courses shall be conducted at

Semester VII – Constitution of India

Semester VIII – Essence of India Traditional Knowledge

Comprehensive viva-voce should be introduced with internal evaluation.

Comprehensive viva-voce shall be conducted at the end of every semester

10. Program Committee

1. The B. Pharm. program shall have a Program Committee constituted by the Head of the institution in consultation with all the Heads of the departments.

2. The composition of the Program Committee shall be as follows:

A senior teacher shall be the Chairperson; One Teacher from each department handling B.Pharm courses; and four student representatives of the program (one from each academic year), nominated by the Head of the institution.

3. Duties of the Program Committee:

- i. Periodically reviewing the progress of the classes.
- ii. Discussing the problems concerning curriculum, syllabus and the conduct of classes.
- iii. Discussing with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.
- iv. Communicating its recommendation to the Head of the institution on academic matters.
- v. The Program Committee shall meet at least thrice in a semester preferably at the end of each Sessional exam (Internal Assessment) and before the end semester exam.

11. Examinations/Assessments

The scheme for internal assessment and end semester examinations is given in Table - X.

11.1 End semester examinations

The End Semester Examinations for each theory and practical course through semesters I to VIII shall be conducted by the university except for the subjects with asterix symbol (*) in table I and II for which examinations shall be conducted by the subject experts at college level and the marks/grades shall be submitted to the university.





Tables-X: Schemes for internal assessments and end semester examinations semester wise

Course code	Name of the course	Continuous Mode	Internal Assessment			End Semester Exams			Total Marks
			Marks	Duration	Total	Marks	Duration		
								Sessional Exams	
BP101T	Human Anatomy and Physiology I – Theory	10	15	1 Hr	25	75	3 Hrs	100	
BP102T	Pharmaceutical Analysis I – Theory	10	15	1 Hr	25	75	3 Hrs	100	
BP103T	Pharmaceutics I – Theory	10	15	1 Hr	25	75	3 Hrs	100	
BP104T	Pharmaceutical Inorganic Chemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100	
BP105T	Communication skills – Theory *	5	10	1 Hr	15	35	1.5 Hrs	50	
BP106RBT BP106RMT	Remedial Biology/ Mathematics – Theory*	5	10	1 Hr	15	35	1.5 Hrs	50	
BP107P	Human Anatomy and Physiology – Practical	5	10	4 Hrs	15	35	4 Hrs	50	
BP108P	Pharmaceutical Analysis I – Practical	5	10	4 Hrs	15	35	4 Hrs	50	
BP109P	Pharmaceutics I – Practical	5	10	4 Hrs	15	35	4 Hrs	50	
BP110P	Pharmaceutical Inorganic Chemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50	
BP111P	Communication skills – Practical*	5	5	2 Hrs	10	15	2 Hrs	25	
BP112RBP	Remedial Biology – Practical*	5	5	2 Hrs	10	15	2 Hrs	25	
BP113CV	Comprehensive Viva-voce ⁴ – I	-	-	-	-	-	-	-	
Total		70/75 ⁵ /80 ⁶	115/125 ⁵ /130 ⁶	23/24 ⁵ /26 ⁶ Hrs	185/200 ⁵ /210 ⁶	490/525 ⁵ /540 ⁶	31.5/33 ⁵ /35 ⁶ Hrs	675/725 ⁵ /750 ⁶	

⁴ Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

⁵ Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

* Non University Examination (NUE)


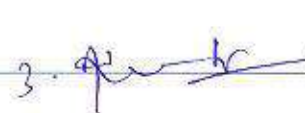

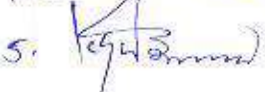
⁶ Non University Examination (NUE) and shall be graded as satisfactory (50% and above) / unsatisfactory (less than 50%)

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Semester II

Course code	Name of the course	Internal Assessment			End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Duration	Marks	Duration	
BP201T	Human Anatomy and Physiology II – Theory	10	15	1 Hr	75	3 Hrs	100
BP202T	Pharmaceutical Organic Chemistry I – Theory	10	15	1 Hr	75	3 Hrs	100
BP203T	Biochemistry – Theory	10	15	1 Hr	75	3 Hrs	100
BP204T	Pathophysiology – Theory	10	15	1 Hr	75	3 Hrs	100
BP205T	Computer Applications in Pharmacy – Theory*	10	15	1 Hr	50	2 Hrs	75
BP206T	Environmental sciences – Theory*	10	15	1 Hr	50	2 Hrs	75
BP207P	Human Anatomy and Physiology II – Practical	5	10	4 Hrs	35	4 Hrs	50
BP208P	Pharmaceutical Organic Chemistry I – Practical	5	10	4 Hrs	35	4 Hrs	50
BP209P	Biochemistry – Practical	5	10	4 Hrs	35	4 Hrs	50
BP210P	Computer Applications in Pharmacy – Practical*	5	5	2 Hrs	15	2 Hrs	25
BP211CV	Comprehensive Viva-Voce ^e - II	-	-	-	-	-	-
Total		80	125	20 Hrs	205	30 Hrs	725




* The subject experts at college level shall conduct examinations
^e Non University Examination (NUE) and shall be graded as satisfactory (50% and above) / unsatisfactory (less than 50%)

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Semester III

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Duration	Total	Marks	Duration	
BP301T	Pharmaceutical Organic Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP302T	PhysicalPharmaceutics I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP303T	Pharmaceutical Microbiology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP304T	Pharmaceutical Engineering – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP305P	Pharmaceutical Organic Chemistry II – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP306P	Physical Pharmaceutics I – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP307P	Pharmaceutical Microbiology – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP308P	Pharmaceutical Engineering – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP309CV	Comprehensive Viva-Voce ⁶ - III	-	-	-	-	-	-	-
Total		60	100	20	160	440	28Hrs	600

⁶ Non University Examination (NUE) and shall be graded as satisfactory (50% and above) / unsatisfactory (less than 50%)

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Semester IV

Course code	Name of the course	Internal Assessment			End Semester Exams		Total Marks	
		Continuous Mode	Sessional Exams Marks	Duration	Marks	Duration		
BP401T	Pharmaceutical Organic Chemistry III - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP402T	Medicinal Chemistry I - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP403T	Physical Pharmaceutics II - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP404T	Pharmacology I - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP405T	Pharmacognosy I - Theory	10	15	1 Hr	25	75	3 Hrs	100
BP406P	Medicinal Chemistry I - Practical	5	10	4 Hr	15	35	4 Hrs	50
BP407P	Physical Pharmaceutics II - Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP408P	Pharmacology I - Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP409P	Pharmacognosy I - Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP410CV	Comprehensive Viva-voce ⁵ - IV	-	-	-	-	-	-	-
	Total	70	115	21 Hrs	185	515	31 Hrs	700

⁵ Non University Examination (NUDE) and shall be graded as satisfactory (50% and above) / unsatisfactory (less than 50%)


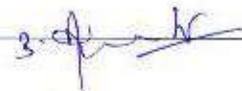
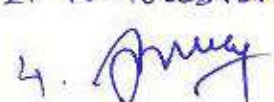


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Semester V

Course code	Name of the course	Internal Assessment			End Semester Exams		Total Marks	
		Continuous Mode	Sessional Marks	Duration	Marks	Duration		
BP501T	Medicinal Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP502T	Industrial Pharmacy I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP503T	Pharmacology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP504T	Pharmacognosy II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP505T	Pharmaceutical Jurisprudence – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP506P	Industrial Pharmacy I – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP507P	Pharmacology II – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP508P	Pharmacognosy II – Practical	5	10	4 Hr	15	35	4 Hrs	50
BP509CV	Comprehensive Viva-voce ^e - V	-	-	-	-	-	-	-
Total		65	105	17 Hr	170	480	27 Hrs	650

^e Non University Examination (NUE) and shall be graded as satisfactory (50% and above) / unsatisfactory (less than 50%)

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Semester VI

Course code	Name of the course	Internal Assessment			End Semester Exams		Total Marks	
		Continuous Mode	Sessional Marks	Duration	Marks	Duration		
BP601T	Medicinal Chemistry III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP602T	Pharmacology III – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP603T	Herbal Drug Technology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP605T	Pharmaceutical Biotechnology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP606T	Quality Assurance – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP607P	Medicinal chemistry III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP608P	Pharmacology III – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP609P	Herbal Drug Technology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP610CV	Comprehensive Viva-voce – VI	-	-	-	-	-	-	-
Total		75	120	18 Hrs	195	555	30 Hrs	750

* Non University Examination (NUE) and shall be graded as satisfactory (50% and above) / unsatisfactory (less than 50%)

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Semester VIII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Exams Duration	Total	Marks	Duration	
BP701T	Instrumental Methods of Analysis – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP702T	Industrial Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP703T	Pharmacy Practice – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP704T	Novel Drug Delivery System – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP705 P	Instrumental Methods of Analysis – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP706 PS	Practice School*	25	-	-	25	125	5 Hrs	150
BP707MC	Constitution of India [†]	-	-	-	-	-	-	-
BP708CV	Comprehensive Viva-voce [‡] - VIII	-	-	-	-	-	-	-
	Total	70	70	8Hrs	140	460	21 Hrs	600

* The subject experts at college level shall conduct examinations

[†] Non University Examination (NUE) and shall be graded as satisfactory (50% and above) / unsatisfactory (less than 50%)




Semester VIII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Duration	Total	Marks	Duration	
BP801T	Biostatistics and Research Methodology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP802T	Social and Preventive Pharmacy – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP803ET	Pharmaceutical Marketing – Theory							
BP804ET	Pharmaceutical Regulatory Science – Theory							
BP805ET	Pharmacovigilance – Theory							
BP806ET	Quality Control and Standardization of Herbs – Theory	10 + 10 – 20	15 + 15 – 30	1 + 1 = 2 Hrs	25 + 25 = 50	75 + 75 – 150	3 + 3 = 6 Hrs	100 + 100 = 200
BP807ET	Computer Aided Drug Design – Theory							
BP808ET	Cell and Molecular Biology – Theory							
BP809ET	Cosmetic Science – Theory							
BP810ET	Experimental Pharmacology – Theory							
BP811ET	Advanced Instrumentation Techniques – Theory							
BP812ET	Dietary Supplements and Nutraceuticals – Theory							
BP813PW	Project Work	-	-	-	-	150	4 Hrs	150
BP814MC	Essence of India Traditional Knowledge ^e	-	-	-	-	-	-	-
BP815CV	Comprehensive Viva-voce ^e - VII	-	-	-	-	-	-	-
	Total	40	60	4 Hrs	100	450	16 Hrs	550

^e Non University Examination (NUE) and shall be graded as satisfactory (50% and above) / unsatisfactory (less than 50%)

Prasanna

P. S. Srinivasan

Internal assessment: Continuous mode

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Table-XI:Scheme for awarding internal assessment: Continuous mode

Theory		
Criteria	Maximum Marks	
Attendance (Refer Table – XII)	4	2
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student – Teacher interaction	3	1.5
Total	10	5
Practical		
Attendance (Refer Table – XII)	2	
Based on Practical Records, Regular viva voce, etc.	3	
Total	5	

Table- XII: Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 – 100	4	2
90 – 94	3	1.5
85 – 89	2	1
80 – 84	1	0.5
Less than 80	0	0

11.2.1 Sessional Exams


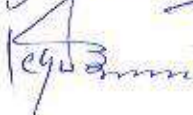
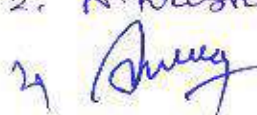
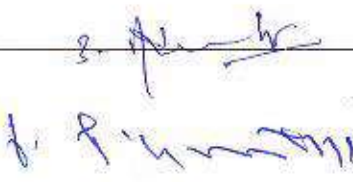
Two Sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory and practical Sessional examinations is given below. The average marks of two Sessional exams shall be computed for internal assessment as per the requirements given in tables – X.

Sessional exam shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks.

Question paper pattern for theory Sessional examinations**For subjects having University examination**

I. Multiple Choice Questions (MCQs)	=	10 x 1 = 10
OR		OR
Objective Type Questions (5 x 2)	=	05 x 2 = 10
(Answer all the questions)		
I. Long Answers (Answer 1 out of 2)	=	1 x 10 = 10
II. Short Answers (Answer 2 out of 3)	=	2 x 5 = 10

Total = 30 marks

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For subjects having Non University Examination

- I. Long Answers (Answer 1 out of 2) = 1 x 10 = 10
- II. Short Answers (Answer 4 out of 6) = 4 x 5 = 20

Total = 30 marks

Question paper pattern for practical sessional examinations

- I. Synopsis = 10
- II. Experiments = 25
- III. Viva voce = 05

Total = 40 marks

12. Promotion and award of grades

A student shall be declared PASS and eligible for getting grade in a course of B.Pharm. program if he/she secures at least 50% marks in that particular course including internal assessment. For example, to be declared as PASS and to get grade, the student has to secure a minimum of 50 marks for the total of 100 including continuous mode of assessment and end semester theory examination and has to secure a minimum of 25 marks for the total 50 including internal assessment and end semester practical examination.

13. Carry forward of marks

In case a student fails to secure the minimum 50% in any Theory or Practical course as specified in 12, then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

14. Improvement of internal assessment

A student shall have the opportunity to improve his/her performance only once in the Sessional exam component of the internal assessment. The re-conduct of the Sessional exam shall be completed before the commencement of next end semester theory examinations.

Clarification for Improvement of internal assessment

Whomever is opting for Improvement of internal assessment he/she must appear for end semester examination. In case of improvement of internal assessment the better marks should be considered. The re-conduct of the Sessional exam shall be completed before the commencement of next end semester theory examinations.

15. Re-examination of end semester examinations

Reexamination of end semester examinations shall be conducted as per the schedule given in table XIII. The exact dates of examinations shall be notified from time to time.

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Table-XIII: Tentative schedule of end semester examinations

Semester	For Regular Candidates	For Failed Candidates
I, III, V and VII	November / December	May / June
II, IV, VI and VIII	May / June	November / December

Question paper pattern for end semester theory examinations

For 75 marks paper

I. Multiple Choice Questions(MCQs) OR = 20 x 1 = 20
Objective Type Questions (10 x 2) = OR

= 10 x 2 = 20

(Answer all the questions)

II. Long Answers (Answer 2 out of 3) = 2 x 10 = 20

Note: Not more than one question from any one unit

(II. For Long Answers)

III. Short Answers (Answer 7 out of 9) = 7 x 5 = 35

Total = 75 marks

Note: One question from each unit and not more than two questions from any one unit (III. For Short Answers)

For 50 marks paper

I. Long Answers (Answer 2 out of 3) = 2 x 10 = 20

II. Short Answers (Answer 6 out of 8) = 6 x 5 = 30

Total = 50 marks

For 35 marks paper

I. Long Answers (Answer 1 out of 2) = 1 x 10 = 10

II. Short Answers (Answer 5 out of 7) = 5 x 5 = 25

Total = 35 marks

Question paper pattern for end semester practical examinations

I. Synopsis = 5

II. Experiments = 25

III. Viva voce = 5

Total = 35 marks

B. H. Srinivasan

16. Academic Progression:

No student shall be admitted to any examination unless he/she fulfills the norms given in 6. Academic progression rules are applicable as follows:

A student shall be eligible to carry forward all the courses of I, II and III semesters till the IV semester examinations. However, he/she shall not be eligible to attend the courses of V semester until all the courses of I and II semesters are successfully completed.

A student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of I, II, III and IV semesters are successfully completed.

A student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of I, II, III, IV, V and VI semesters are successfully completed.

A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to VIII semesters within the stipulated time period as per the norms specified in 26.

A lateral entry student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of III and IV semesters are successfully completed.

A lateral entry student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of III, IV, V and VI semesters are successfully completed.

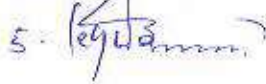
A lateral entry student shall be eligible to get his/her CGPA upon successful completion of the courses of III to VIII semesters within the stipulated time period as per the norms specified in 26.

Any student who has given more than 4 chances for successful completion of I / III semester courses and more than 3 chances for successful completion of II / IV semester courses shall be permitted to attend V / VII semester classes ONLY during the subsequent academic year as the case may be. In simpler terms there shall NOT be any ODD BATCH for any semester.

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Note: Grade AB should be considered as failed and treated as one head for deciding academic progression. Such rules are also applicable for those students who fail to register for examination(s) of any course in any semester.

17. Grading of performances

Letter grades and grade points allocations:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given in Table – XII.

Table – XII: Letter grades and grade points equivalent to Percentage of marks and performances

Percentage of Marks Obtained	Letter Grade	Grade Point	Performance
90.00 – 100	O	10	Outstanding
80.00 – 89.99	A	9	Excellent
70.00 – 79.99	B	8	Good
60.00 – 69.99	C	7	Fair
50.00 – 59.99	D	6	Average
Less than 50	F	0	Fail
Absent	AB	0	Fail

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.




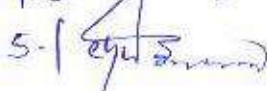

For mandatory courses, “Satisfactory” or “Unsatisfactory” shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA

18. The Semester grade point average (SGPA)

The performance of a student in a semester is indicated by a number called ‘Semester Grade Point Average’ (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester. For example, if a student takes five courses (Theory/Practical) in a semester with credits C₁, C₂, C₃, C₄ and C₅ and the student’s grade points in these courses are G₁, G₂, G₃, G₄ and G₅, respectively, and then students’ SGPA is equal to:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4 + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester. For example if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:

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$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4 \text{ ZERO} + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

19. Cumulative Grade Point Average (CGPA)

The CGPA is calculated with the SGPA of all the VIII semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all VIII semesters and their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:

$$\text{CGPA} = \frac{C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4 + C_5S_5 + C_6S_6 + C_7S_7 + C_8S_8}{C_1 + C_2 + C_3 + C_4 + C_5 + C_6 + C_7 + C_8}$$

where C_1, C_2, C_3, \dots is the total number of credits for semester I, II, III, and S_1, S_2, S_3, \dots is the SGPA of semester I, II, III,

20. Declaration of class

The class shall be awarded on the basis of CGPA as follows:


First Class with Distinction	= CGPA of 7.50 and above
First Class	= CGPA of 6.00 to 7.49
Second Class	= CGPA of 5.00 to 5.99



21. Project work

All the students shall undertake a project under the supervision of a teacher and submit a report. The area of the project shall directly relate any one of the elective subject opted by the student in semester VIII. The project shall be carried out in group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students). The projects shall be evaluated as per the criteria given below.

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Evaluation of Dissertation Book:

Objective(s) of the work done	15 Marks
Methodology adopted	20 Marks
Results and Discussions	20 Marks
Conclusions and Outcomes	20 Marks

Total 75 Marks

Evaluation of Presentation:

Presentation of work	25 Marks
Communication skills	20 Marks
Question and answer skills	30 Marks

Total 75 Marks

Explanation: The 75 marks assigned to the dissertation book shall be same for all the students in a group. However, the 75 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.

22. Industrial training (Desirable)

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the Semester – VI and before the commencement of Semester – VII, and shall submit satisfactory report of such work and certificate duly signed by the authority of training organization to the head of the institute.

23. Practice School

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice school declared by the program committee from time to time.

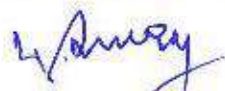
At the end of the practice school, every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 pages). Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts at college level and grade point shall be awarded.

Details for conduct of Practice School

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice

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school as declared by the program committee from time to time.

The program committee shall discuss with various departments in the college and shall provide the Practice School module which the students can opt to enhance their specific skill as desired by them and perform in the college premises only.

For example:

Quality control & Quality assurance of Pharmaceuticals, Manufacturing of dosage forms and their evaluation, Extraction of phytoconstituents etc.,

24. Award of Ranks

Ranks and Medals shall be awarded on the basis of final CGPA. However, candidates who fail in one or more courses during the B.Pharm program shall not be eligible for award of ranks. Moreover, the candidates should have completed the B. Pharm program in minimum prescribed number of years, (four years) for the award of Ranks.

25. Award of degree

Candidates who fulfill the requirements mentioned above shall be eligible for award of degree during the ensuing convocation.

26. Duration for completion of the program of study

The duration for the completion of the program shall be fixed as double the actual duration of the program and the students have to pass within the said period, otherwise they have to get fresh Registration.

27. Re-admission after break of study

Candidate who seeks re-admission to the program after break of study has to get the approval from the university by paying a condonation fee.

No condonation is allowed for the candidate who has more than 2 years of break up period and he/she has to rejoin the program by paying the required fees.

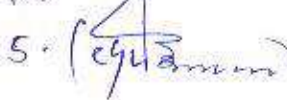
28. A Socially/ Community Health relevant Projects/ Extracurricular/Co curricular activities

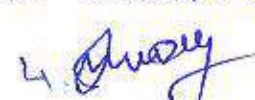
The student has to spend 15 Hrs./semester on any socially/ community health relevant projects (Health awareness – communicable, non-communicable disorders and diseases, nutritional deficiency disorders, Health as per WHO guidelines, prevention of disorder and diseases, Immunization significance and life style modification) and submit a report for evaluation. This shall be evaluated by a committee consisting of Principal, Head of the department, Project mentor and one senior faculty member of the department.

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**ACADEMIC REGULATIONS COURSE
STRUCTURE AND DETAILED SYLLABI**

PHARM D

AND

PHARM D(*POSTBACCALAUREATE*)

PHARM D. (REGULAR SIX YEAR COURSE)

AND

**PHARM D. (*POST BACCALAUREATE*) (REGULAR THREE
YEAR COURSE)**

**(APPLICABLE FOR THE BATCHES ADMITED
FROM 2017-18)**

Doctor of Pharmacy (Pharm.D) Syllabus

Academic Regulations 2017 for Pharm. D and D (Post Bacculaureate) (Regular)
(Effective for the students admitted into I year from the Academic Year 2017-2018 onwards)

1. Award of Pharm. D Degree

A student will be declared eligible for the award of the Pharm. D. Degree if he/she fulfils the following academic regulations:

i. Duration of the course. –

a) Pharm.D: The duration of the course shall be six academic years (five years of study and one year of internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of six years duration is divided into two phases

–
Phase I – consisting of First, Second, Third, Fourth and Fifth academic year.

Phase II – consisting of internship or residency training during sixth year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services and acquires skill under supervision so that he or she may become capable of functioning independently.

b) Pursue the course of study for not less than SIX academic years and is not more than TWELVE years.

c) Students, who fail to fulfil all the academic requirements for the award of the degree within TWELVE academic years from the year of their admission, shall forfeit their seat in Pharm D. course and their admission is cancelled.

2. Award of the Pharm. D (Post Bacculaureate) Degree.

A student will be declared eligible for the award of the Pharm. D (Post Bacculaureate). Degree if he fulfils the following academic regulations:

a) Pharm.D. (Post Bacculaureate): The duration of the course shall be for three academic years (two years of study and one year internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of three years duration is divided into two phases –

Phase I – consisting of First and Second academic year.

Phase II – consisting of Internship or residency training during third year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services, and acquires skill under supervision so that he or she may become capable of functioning independently.

b) Pursue the course of study for not less than THREE academic years and is not more than SIX years.

c) Students, who fail to fulfil all the academic requirements for the award of the degree within SIX academic years from the year of their admission, shall forfeit their seat in Pharm D (PB) course and their admission is cancelled.

d) To add prefix 'Dr.' before the name of the candidate while awarding the degree 'Doctor of Pharmacy' vide regulation 18 of the Pharm D regulation, 2008.

3. Minimum qualification for admission to. –

a) Pharm.D. Part-I Course – A pass in any of the following examinations –

(1) 10+2 examination with Physics and Chemistry as compulsory subjects along with one of the following subjects: Mathematics or Biology.

(2) A pass in D.Pharmacy course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

(3) Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations. Provided that a student should complete the age of 17 years on or before 31st December of the year of admission to the course. Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

b) Pharm.D. (Post Baccalaureate) Course - A pass in B.Pharm from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act: Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

4. Course of study. –

The course of study for Pharm.D. shall include the subjects as given in the Tables below. The number of hours in a week, devoted to each subject for its teaching in theory, practical and tutorial shall not be less than that noted against it in columns (3), (4) and (5) below.

COURSE STRUCTURE

First Year:

S.No.	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of Tutorial	No. of hours of Practical	Lab	S.No.	Subjects codes
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)
1.1	17T00101	Human Anatomy and Physiology	3	1	3		1.7	17T00107
1.2	17T00102	Pharmaceutics	2	1	3		1.8	17T00108
1.3	17T00103	Medicinal Biochemistry	3	1	3		1.9	17T00109
1.4	17T00104	Pharmaceutical Organic Chemistry	3	1	3		2.0	17T00110
1.5	17T00105	Pharmaceutical Inorganic Chemistry	2	1	3		2.1	17T00111
1.6	17T00106	Remedial Mathematics/ Biology	3	1	3*		2.2	17T00112*
		Total hours	16	6 = (40)	18			

* For Biology

Second Year:

S.No	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of Tutorial	No. of hours of Practical	Lab	S.No	Subjects Codes
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)
2.1	17T00201	Pathophysiology	3	1	-	-		-
2.2	17T00202	Pharmaceutical Microbiology	3	1	3	✓	2.7	17T00207
2.3	17T00203	Pharmacognosy &Phytopharmaceuticals	3	1	3	✓	2.8	17T00208
2.4	17T00204	Pharmacology-I	3	1	-	-		-
2.5	17T00205	Community Pharmacy	2	1	-	-		-
2.6	17T00206	Pharmacotherapeutics-I	3	1	3	✓	2.9	17T00209
		Total Hours	17	6 = 32	9			

Third Year:

S.N O	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of Tutorial	No. of hours of Practical	Lab	S.No	Subjects Codes
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)
3.1	17T00301	Pharmacology-II	3	1	3	✓	3.7	17T00307
3.2	17T00302	Pharmaceutical Analysis	3	1	3	✓	3.8	17T00308
3.3	17T00303	Pharmacotherapeutics-II	3	1	3	✓	3.9	17T00309
3.4	17T00304	Pharmaceutical Jurisprudence	2	-	-	-		-
3.5	17T00305	Medicinal Chemistry	3	1	3	✓	4.0	17T00310
3.6	17T00306	Pharmaceutical Formulations	2	1	3	✓	4.1	17T00311
		Total hours	16	5 = 36	15			

Fourth Year:

S.No.	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of Tutorial	No. of hours of Practical/Hospital Posting	Lab	S.No	Subjects Codes
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)
4.1	17T00401	Pharmacotherapeutics-III	3	1	3	✓	4.7	17T00407
4.2	17T00402	Hospital Pharmacy	2	1	3	✓	4.8	17T00408
4.3	17T00403	Clinical Pharmacy	3	1	3	✓	4.9	17T00409
4.4	17T00404	Biostatistics & Research Methodology	2	1	-	-		-
4.5	17T00405	Biopharmaceutics & Pharmacokinetics	3	1	3	✓	4.10	17T00410
4.6	17T00406	Clinical Toxicology	2	1	-	-		-
		Total hours	15	6 = 33	12			
For Pharm D Post Baccalaurate								
4.11	17T00411	Pharmacotherapeutics I & II	3	1	3	✓	4.12	17T00412
			18	7=39				

Fifth Year:

S.No.	Subjects Codes	Name of Subject	No. of hours of Theory	No. of hours of	No. of hours of Hospital posting*
(1)	(2)	(3)	(4)	(5)	(6)
5.1	17T00501	Clinical Research	3	1	-
5.2	17T00502	Pharmacoepidemiology and Pharmacoeconomics	3	1	-
5.3	17T00503	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	2	1	-
5.4		Clerkship*	-	1	-
5.5		Project work (Six Months)	-	-	20
		Total hours	8	4 = 32	20

* Attending ward rounds on daily basis.

Note: The entire class work be spread for the entire Academic Year along with Project work and clerkship

Sixth Year:

Internship or residency training including postings in speciality units. Student should independently provide the clinical pharmacy services to the allotted wards.

- (i) Six months in General Medicine department, and
- (ii) Two months each in three other speciality departments

5. Syllabus. – The syllabus for each subject of study in the said Tables shall be as specified in **Appendix -A** to these regulations.

6. Examination. –

- (1) Every year there shall be an examination to examine the students.
- (2) Each examination may be held twice every year. The first examination in a year shall be the annual examination and the second examination shall be supplementary examination. **Supplementary examination (advanced) may be conducted within three months after announcement of the regular examination results.**
- (3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Table below:

TABLES

First Year examination:

S.No	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
1.1	Human Anatomy and Physiology	70	30	100	70	30	100
1.2	Pharmaceutics	70	30	100	70	30	100
1.3	Medicinal Biochemistry	70	30	100	70	30	100
1.4	Pharmaceutical Organic Chemistry	70	30	100	70	30	100
1.5	Pharmaceutical Inorganic Chemistry	70	30	100	70	30	100
1.6	Remedial Mathematics/ Biology	70	30	100	70	30	100
				600			600 = 1200

Second Year examination:

S.No	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional I	Total	Examination	Sessional I	Total
2.1	Pathophysiology	70	30		-	-	-
2.2	Pharmaceutical Microbiology	70	30	100	70	30	100
2.3	Pharmacognosy &Phytopharmaceuticals	70	30	100	70	30	100
2.4	Pharmacology-I	70	30	100	-	-	-
2.5	Community Pharmacy	70	30	100	-	-	-
2.6	Pharmacotherapeutics-I	70	30	100	70	30	100
				600			300 = 900

Third Year examination:

S.No	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional I	Total
3.1	Pharmacology-II	70	30	100	70	30	100
3.2	Pharmaceutical Analysis	70	30	100	70	30	100
3.3	Pharmacotherapeutics-II	70	30	100	70	30	100
3.4	Pharmaceutical Jurisprudence	70	30	100	-	-	-
3.5	Medicinal Chemistry	70	30	100	70	30	100
3.6	Pharmaceutical Formulations	70	30	100	70	30	100
				600			500 = 1100

Fourth Year examination:

S.No	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional I	Total
4.1	Pharmacotherapeutics- III	70	30	100	70	30	100
4.2	Hospital Pharmacy	70	30	100	70	30	100
4.3	Clinical Pharmacy	70	30	100	70	30	100
4.4	Biostatistics & Research Methodology	70	30	100	-	-	-
4.5	Biopharmaceutics & Pharmacokinetics	70	30	100	70	30	100
4.6	Clinical Toxicology	70	30	100	-	-	-
				600			500 = 1100

Fifth Year examination:

S.No	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
5.1	Clinical Research	70	30	100	-	-	-
5.2	Pharmacoepidemiology and Pharmacoconomics	70	30	100	-	-	-
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	70	30	100	-	-	-
5.4	Clerkship*	-	-	-	70	30	100
5.5	Project work (Six Months)	-	-	-	100**	-	100
				300			200 = 500

*Attending ward rounds on daily basis.

** 30 marks – viva-voce (oral)

70 marks – Thesis work

7. Attendance requirements:

A student shall be eligible to appear for University examinations if he acquires a minimum of 80% of attendance in aggregate of all the subjects in a year.

7.1 Condonation of shortage of attendance in aggregate from 70% and above and below 80% in each year may be granted by the College Academic Committee, on medical grounds/valid reasons.

7.2 Shortage of Attendance below 70% in aggregate shall in NO case be condoned.

7.3 Students whose shortage of attendance is not condoned in any year are not eligible to take their end examination of that class and their registration shall stand cancelled.

7.4 A student will not be promoted to the next year unless he/she satisfies the attendance requirements of the present year, as applicable. They may seek readmission for that year when offered next.

7.5 A stipulated fee shall be payable towards condonation of shortage of attendance to the University.

8. Mode of examinations

(1) Theory examination shall be of three hours and practical examination shall be of four hours duration.

(2) A Student who fails in theory or practical examination of a subject shall re-appear both in theory and practical of the same subject.

(3) Practical examination shall also consist of a viva –voce (Oral) examination.

(4) Clerkship examination – Oral examination shall be conducted after the completion of clerkship of students. An external and an internal examiner will evaluate the student. Students may be asked to present the allotted medical cases followed by

discussion. Students' capabilities in delivering clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.

9. Award of sessional marks and maintenance of records.—

(1) A regular record of both theory and practical class work and examinations conducted in an institution imparting training for Pharm.D. or as the case may be, Pharm.D. (Post Baccalaureate) course, shall be maintained for each student in the institution and 30 marks for each theory and 30 marks for each practical subject shall be allotted as sessional.

(2) There shall be at least three periodic sessional examinations during each academic year and the highest aggregate of any two performances shall form the basis of calculating sessional marks.

(3) The sessional marks in practicals shall be allotted on the following basis:-

(i) Actual performance in the sessional examination (20 marks);

(ii) Day to day assessment in the practical class work, promptness, viva-voce record maintenance, etc. (10 marks).

10. Minimum marks for passing examination:

A student shall not be declared to have passed examination unless he or she secures at least 50% marks in each of the subjects separately in the theory examinations, including sessional marks and at least 50% marks in each of the practical examinations including sessional marks. The students securing 60% marks or above in aggregate in all subjects at the Pharm. D or as the case may be, Pharm. D (Post Baccalaureate) course examination shall be declared to have passed in first class. Students securing 75% marks or above in aggregate in all subjects shall be declared to have passed with distinction provided the student completes the course in 6 years for Pharm. D and 3 Years for Pharm. D (Post baccalaureate). Pass class shall be awarded to such of the candidates who would have passed the examination in subsequent number of attempts after completion of 6/3 years of the course.

11. Eligibility for promotion to next year.-

All students who have appeared for all the subjects and passed the first year annual examination are eligible for promotion to the second year and, so on. However, failure in more than three subjects (excluding Remedial Mathematics/ Biology) including supplementary examinations shall debar him or her from promotion to the next year classes.

Note: At any time of the course study a student should not have failed in more than 3 subjects (excluding Remedial Mathematics/ Biology) to be eligible for promotion to next higher class.

12. Internship.—

(1) Internship is a phase of training wherein a student is expected to conduct actual practice of pharmacy and health care and acquires skills under the supervision so that he or she may become capable of functioning independently.

(2) Every student has to undergo one year internship as per PCI norms for Pharm D (Appendix B).

13. Certificate of passing examination.— Every student who has passed the examinations for the Pharm.D. (Doctor of Pharmacy) or Pharm.D. (Post Baccalaureate) (Doctor of Pharmacy) as the case may be, shall be granted a certificate by the examining authority.

14. Hospital posting.— Every student shall be posted in constituent hospital for a period of not less than fifty hours to be covered in not less than 200 working days in each of second, third & fourth year course. Each student shall submit report duly certified by the preceptor and duly attested by the Head of the Department or Institution as prescribed. In the fifth year, every student shall spend half a day in the morning hours attending ward rounds on daily basis as a part of clerkship. Theory teaching may be scheduled in the afternoon.

15. Project work.—

(1) To allow the student to develop data collection and reporting skills in the area of community, hospital and clinical pharmacy, a project work shall be carried out under the supervision of a teacher. The project topic must be approved by the Head of the Department or Head of the Institution. The same shall be announced to students within one month of commencement of the fifth year classes. Project work shall be presented in a written report and as a seminar at the end of the year. External and the internal examiners shall do the assessment of the project work.

(2) Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions.

16. Objectives of project work.— The main objectives of the project work is to—

(i) Show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner; and

(ii) Develop the students in data collection, analysis and reporting and interpretation skills.

17. Methodology.— To complete the project work following methodology shall be adopted, namely:—

(i) Students shall work in groups of not less than two and not more than four under an authorised teacher;

- (ii) Project topic shall be approved by the Head of the Department or Head of the Institution;
- (iii) Project work chosen shall be related to the pharmacy practice in community, hospital and clinical setup. It shall be patient and treatment (Medicine) oriented, like drug utilisation reviews, pharmacoepidemiology, pharmacovigilance or pharmacoeconomics;
- (iv) Project work shall be approved by the institutional ethics committee;
- (v) student shall present at least three seminars, one in the beginning, one at middle and one at the end of the project work; and
- (vi) two-page write-up of the project indicating title, objectives, methodology anticipated benefits and references shall be submitted to the Head of the Department or Head of the Institution.

18. Reporting.—

- (1) Student working on the project shall submit jointly to the Head of the Department or Head of the Institution a project report of about 40-50 pages. Project report should include a certificate issued by the authorised teacher, Head of the Department as well as by the Head of the Institution
- (2) Project report shall be computer typed in double space using Times Roman font on A4 paper. The title shall be in bold with font size 18, sub-titles in bold with font size 14 and the text with font size 12. The cover page of the project report shall contain details about the name of the student and the name of the authorised teacher with font size 14.
- (3) Submission of the project report shall be done at least one month prior to the commencement of annual or supplementary examination.

19. Evaluation.— The following methodology shall be adopted for evaluating the project work—

- (i) Project work shall be evaluated by internal and external examiners.
- (ii) Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of four students).

(iii) Three seminars presented by students shall be evaluated for twenty marks each and the average of best two shall be forwarded to the university with marks of other subjects.

(iv) Evaluation shall be done on the following items:	Marks
a) Write up of the seminar	(7.5)
b) Presentation of work	(7.5)
c) Communication skills	(7.5)
d) Question and answer skills	(7.5)
Total	(30 marks)

(v) Final evaluation of project work shall be done on the following items:	Marks
a) Write up of the seminar	(17.5)
b) Presentation of work	(17.5)
c) Communication skills	(17.5)
d) Question and answer skills	(17.5)
Total	(70 marks)

Explanation.— For the purposes of differentiation in the evaluation in case of topic being the same for the group of students, the same shall be done based on item numbers b, c and d mentioned above.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTAPUR**

Pharm.D-IV

APPENDIX A

INTERNSHIP

1. SPECIFIC OBJECTIVES :

- i) to provide patient care in cooperation with patients, prescribers, and other members of an interprofessional health care team based upon sound therapeutic principles and evidence-based data, taking into account relevant legal, ethical, social cultural, economic, and professional issues, emerging technologies, and evolving biomedical, pharmaceutical, social or behavioral or administrative, and clinical sciences that may impact therapeutic outcomes.
- ii) to manage and use resources of the health care system, in cooperation with patients, prescribers, other health care providers, and administrative and supportive personnel, to promote health; to provide, assess, and coordinate safe, accurate, and time-sensitive medication distribution; and to improve therapeutic outcomes of medication use.
- iii) to promote health improvement, wellness, and disease prevention in cooperation with patients, communities, at-risk population, and other members of an interprofessional team of health care providers.
- iv) to demonstrate skills in monitoring of the National Health Programmes and schemes, oriented to provide preventive and promotive health care services to the community.
- v) to develop leadership qualities to function effectively as a member of the health care team organised to deliver the health and family welfare services in existing socio-economic, political and cultural environment.
- vi) to communicate effectively with patients and the community.

2. OTHER DETAILS :

- i) All parts of the internship shall be done, as far as possible, in institutions in India. In case of any difficulties, the matter may be referred to the Pharmacy Council of India to be considered on merits.
- ii) Where an intern is posted to district hospital for training, there shall be a committee consisting of representatives of the college or university, and the district hospital administration, who shall regulate the training of such trainee. For such trainee a certificate of satisfactory completion of training shall be obtained from the relevant administrative authorities which shall be countersigned by the Principal or Dean of College.
- iii) Every candidate shall be required, after passing the final Pharm.D. or Pharm.D. (Post Baccalaureate) examination as the case may be to undergo

compulsory rotational internship to the satisfaction of the College authorities and University concerned for a period of twelve months so as to be eligible for the award of the degree of Pharm.D. or Pharm.D. (Post Baccalaureate) as the case may be.

3. ASSESSMENT OF INTERNSHIP :

- i) The intern shall maintain a record of work which is to be verified and certified by the preceptor (teacher practitioner) under whom he works. Apart from scrutiny of the record of work, assessment and evaluation of training shall be undertaken by an objective approach using situation tests in knowledge, skills and attitude during and at the end of the training. Based on the record of work and date of evaluation, the Dean or Principal shall issue certificate of satisfactory completion of training, following which the university shall award the degree or declare him eligible for it.
- ii) Satisfactory completion of internship shall be determined on the basis of the following:-
 - (1) Proficiency of knowledge required for each case management SCORE 0-5
 - (2) The competency in skills expected for providing Clinical Pharmacy Services SCORE 0-5
 - (3) Responsibility, punctuality, work up of case, involvement in patient care SCORE 0-5
 - (4) Ability to work in a team (Behavior with other healthcare professionals including medical doctors, nursing staff and colleagues). SCORE 0-5
 - (5) Initiative, participation in discussions, research aptitude. SCORE 0-5

Poor	Fair	Below Average	Average	Above Average	Excellent
0	1	2	3	4	5

A Score of less than 3 in any of above items will represent unsatisfactory completion of internship.

APPENDIX - B

20. Internship

Specific Objectives:

- (i) To provide patient care in cooperation with patients, prescribers, and other members of an interprofessional health care team based upon sound therapeutic principles and evidence-based data, taking into account relevant legal, ethical, social cultural, economic, and professional issues, emerging technologies, and evolving biomedical, pharmaceutical, social or behavioral or administrative, and clinical sciences that may impact therapeutic outcomes.
- (ii) To manage and use resources of the health care system, in cooperation with patients, prescribers, other health care providers, and administrative and supportive personnel, to promote health; to provide, assess, and coordinate safe, accurate, and time-sensitive medication distribution; and to improve therapeutic outcomes of medication use.
- (iii) To promote health improvement, wellness, and disease prevention in cooperation with patients, communities, at-risk population, and other members of an interprofessional team of health care providers.
- (iv) To demonstrate skills in monitoring of the National Health Programmes and schemes, oriented to provide preventive and promotive health care services to the community.
- (v) To develop leadership qualities to function effectively as a member of the health care team organised to deliver the health and family welfare services in existing socio-economic, political and cultural environment.
- (vi) To communicate effectively with patients and the community.

Other details

- 1) All parts of the internship shall be done, as far as possible, in institutions in India. In case of any difficulties, the matter may be referred to the Pharmacy Council of India to be considered on merits.
- 2) Where an intern is posted to district hospital for training, there shall be a committee consisting of representatives of the college or university, and the district hospital administration, who shall regulate the training of such trainee. For such trainee a certificate of satisfactory completion of training shall be obtained from the relevant administrative authorities which shall be countersigned by the Principal or Dean of College.

- 3) Every candidate shall be required, after passing the final Pharm.D. or Pharm.D. (Post Baccalaureate) examination as the case may be to undergo compulsory rotational internship to the satisfaction of the College authorities and University concerned for a period of twelve months so as to be eligible for the award of the degree of Pharm.D. or Pharm.D. (Post Baccalaureate) as the case may be.

Assessment of Internship

- (i) Each intern student shall have a minimum of 80% attendance in every month, and a total of 80% at end for satisfactory completion of internship.
- (ii) The intern shall maintain a record of work which is to be verified and certified by the preceptor (teacher practitioner) under whom he works. Apart from scrutiny of the record of work, assessment and evaluation of training shall be undertaken by an objective approach using situation tests in knowledge, skills and attitude during and at the end of the training. Based on the record of work and date of evaluation, the Dean or Principal shall issue certificate of satisfactory completion of training, following which the university shall award the degree or declare him eligible for it.
- (iii) Satisfactory completion of internship shall be determined on the basis of the following:
 1. Proficiency of knowledge required for each case management SCORE 0-5
 2. The competency in skills expected for providing Clinical Pharmacy Services SCORE 0-5
 3. Responsibility, punctuality, work up of case, involvement in patient care SCORE 0-5
 4. Ability to work in a team (Behaviour with other healthcare professionals including medical doctors, nursing staff and colleagues). SCORE 0-5
 5. Initiative, participation in discussions, research aptitude. SCORE 0-5

Poor	Fair	Below Average	Average	Above Average	Excellent
0	1	2	3	4	5

A Score of less than 3 in any of above items will represent unsatisfactory completion of internship.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

Academic Regulations of M.Pharmacy (Full Time) Programme

(Effective for the students admitted into I year from the Academic Year 2021-22 and onwards)

Jawaharlal Nehru Technological University Anantapur (JNTUA) offers **Two Years (Four Semesters)** full-time Master of Pharmacy (M.Pharm.) Post Graduate Degree programme, under Choice Based Credit System (CBCS) with different specializations at its constituent unit, OTPRI and non-autonomous affiliated colleges.

The Jawaharlal Nehru Technological University Anantapur shall confer M.Pharm. degree on candidates who are admitted to the programme and fulfill all the requirements for the award of the degree.

1. Award of the M.Pharm. Degree

A student will be declared eligible for the award of the M.Pharm. degree if he/she fulfils the following:

- 1.1 Pursues a course of study for not less than two academic years and not more than four academic years.
- 1.2 Registers for 95 credits and secures all 95 credits.

2. Students, who fail to fulfil all the academic requirements for the award of the degree within four academic years from the year of their admission, shall forfeit their seat in M.Pharm. course and their admission stands cancelled.

3. Programme of Study:

The following M.Pharm. specializations are offered at its constituent (non-autonomous) unit, OTPRI & affiliated (non-autonomous) colleges:

S.No.	Discipline	Name of the Specialization	Code
1	Master of Pharmacy	Pharmacology	
2		Pharmaceutical Chemistry	
3		Pharmaceutics	
4		Pharmaceutical Analysis and Quality Assurance	
5		Pharmacognosy	
6		Industrial Pharmacy	
7		Pharmaceutical Technology	
8		Pharmaceutical Analysis	
9		Pharmacy Practice	
10		Pharmaceutics-Drug Regulatory Affairs	
11		Pharmaceutical Quality Assurance	

and any other specializations as approved by AICTE/PCI/University from time to time.



4. Eligibility for Admissions:

- 4.1 Admission to the M.Pharm. programme shall be made subject to the eligibility, qualifications and specialization prescribed by the A.P. State Government/University for each programme, from time to time.
- 4.2 Admissions shall be made on the basis of either the merit rank or Percentile obtained by the qualified student in the relevant qualifying GPAT Examination / the merit rank obtained by the qualified student in an entrance test conducted by A.P. State Government (APPGECET) for M.Pharm. programmes/an entrance test conducted by university/ on the basis of any other exams approved by the University, subject to reservations as laid down by the Govt. from time to time.

5. Programme related terms:

- 5.1 **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (Lecture/Tutorial) or two hours of practical work/field work per week.

Credit definition:

1 Hr. Lecture (L) per week	1 credit
1 Hr. Tutorial (T) per week	1 credit
1 Hr. Practical (P) per week	0.5 credit

- 5.2 **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
- 5.3 **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses.

6. Programme Pattern:

- 6.1 Total duration of the of M.Pharm. programme is two academic years
- 6.2 Each academic year of study is divided into two semesters.
- 6.3 Each Semester shall be of 22 weeks duration (inclusive of Examinations), with a minimum of 90 instructional days per semester.
- 6.4 The student shall not take more than four academic years to fulfill all the academic requirements for the award of M.Pharm. degree from the date of commencement of first year first semester, failing which the student shall forfeit the seat in M.Pharm. programme.
- 6.5 The medium of instruction of the programme (including examinations and project reports) will be in English only.
- 6.6 All subjects/courses offered for the M.Pharm. programme are broadly classified as follows:

S.No.	Broad Course Classification	Course Category	Description
1.	Core Courses	Foundational & Professional Core Courses (PC)	Includes subjects related to the parent discipline



2.	Elective Courses	Electives	Includes elective subjects related to the parent discipline/inter-disciplinary subjects or subjects in an area outside the parent discipline which are of importance in the context of special skill development
3.	Research	Research methodology & IPR	To understand importance and process of creation of patents through research
		Seminar	Ensures preparedness of students to undertake major projects/Dissertation, based on core contents related to specialization
		Cocurricular Activities/Journal Club	Attending conferences, scientific presentations and other scholarly activities
		Dissertation	Major Project
4.	Audit Courses	Mandatory noncredit courses	Covering subjects of developing desired attitude among the learners is on the line of initiatives such as Unnat Bharat Abhiyan, Yoga, Value education etc.

- 6.7 The college shall take measures to implement Virtual Labs (<https://www.vlab.co.in>) which provide remote access to labs in various disciplines of science and will help student in learning basic and advanced concept through remote experimentation. Student shall be made to work on virtual lab experiments during the regular labs.
- 6.8 A faculty advisor/mentor shall be assigned to each specialization to advise students on the programme, its Course Structure and Curriculum, Choice of Courses, based on his competence, progress, pre-requisites and interest.
- 6.9 Preferably 25% course work for the theory courses in every semester shall be conducted in the blended mode of learning.

7. Attendance Requirements:

- 7.1 A student shall be eligible to appear for the University external examinations if he/she acquires i) a minimum of 50% attendance in each course and ii) 75% of attendance in aggregate of all the courses.
- 7.2 Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be granted by the College Academic Committee.
- 7.3 Condonation of shortage of attendance shall be granted only on genuine and valid reasons on representation by the candidate with supporting evidence
- 7.4 Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that class.
- 7.5 A stipulated fee shall be payable towards condonation of shortage of attendance.
- 7.6 A student will not be promoted to the next semester unless he satisfies the attendance requirements of the present semester. They may seek re-admission into that semester when offered next.



- 7.7 If any candidate fulfils the attendance requirement in the present semester, he shall not be eligible for readmission into the same class.
- 7.8 If the learning is carried out in blended mode (both offline & online), then the total attendance of the student shall be calculated considering the offline and online attendance of the student.

8. Evaluation – Distribution and Weightage of Marks:

The performance of a student in each semester shall be evaluated subject - wise (irrespective of credits assigned), for a maximum of 100 marks for theory and 100 marks for practical, based on Internal Evaluation and End Semester Examination.

- 8.1 There shall be five units in each of the theory subjects. For the theory subjects 60 marks will be for the End Examination and 40 marks will be for Internal Evaluation.
- 8.2 Two Internal Examinations shall be conducted for 30 marks each, one in the middle of the Semester and the other immediately after the completion of instruction. First mid examination shall be conducted for I & II units of the syllabus and second mid examination for III, IV & V units. Each mid exam shall be conducted for a total duration of 120 minutes with 3 questions (without choice) each question for 10 marks. Final Internal marks for a total of 30 marks shall be arrived at by considering the marks secured by the student in both the internal examinations with 80% weightage to the better internal exam and 20% to the other. There shall be an online examination (TWO) conducted during the respective mid examinations by the college for the remaining 10 marks with 20 objective questions.
- 8.3 The following pattern shall be followed in the End Examination:
 - i. Five questions shall be set from each of the five units with either/or type for 12 marks each.
 - ii. All the questions have to be answered compulsorily.
 - iii. Each question may consist of one, two or more bits.
- 8.4 For practical subjects, 60 marks shall be for the End Semester Examinations and 40 marks will be for internal evaluation based on the day-to-day performance.

The internal evaluation based on the day-to-day work-10 marks, record- 10 marks and the remaining 20 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the examiners, with a breakup mark of Procedure-10, Experimentation-25, Results-10, Viva-voce-15.
- 8.5 There shall be a **Seminar/Assignment** for internal evaluation of 100 marks. A student under the supervision of a faculty member, shall collect the literature on a topic and critically review the literature and submit it to the department in a report form and shall make an oral presentation before the Project Review Committee consisting of Head of the Department, supervisor/mentor and two



- other faculty members of the department. The student has to secure a minimum of 50% of marks, to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same as and when supplementary examinations are conducted. The seminar shall be conducted anytime during the semester as per the convenience of the Project Review Committee and students. There shall be no external examination for Technical Seminar.
- 8.6 For Teaching Practice/Assignments there will be an internal evaluation of 100 marks. A candidate has to secure a minimum of 50% to be declared successful. Student has to teach 10 Hours in his/her interesting subject/subjects in the entire III Semester instruction period for his juniors at PG level or Undergraduate students who are available on the campus. For each teaching hour maximum of 10 marks are allotted. The assessment will be made by the faculty allotted by the HoD.
 - 8.7 There shall be Mandatory **Audit courses** for zero credits. There is no external examination for audit courses. However, attendance shall be considered while calculating aggregate attendance and student shall be declared to have passed the mandatory course only when he/she secures 50% or more in the internal examinations. In case, the student fails, a re-examination shall be conducted for failed candidates for 40 marks every six months/semester satisfying the conditions mentioned in item 1 & 2 of the regulations.
 - 8.8 There shall be **Comprehensive Viva–Voce** in III semester. This will test the student's learning and understanding during the course of their specialization. The Comprehensive viva-voce will be conducted by the committee consisting of Head of the Department and two faculty members related to the specialization. The Comprehensive Viva-Voce shall be evaluated for 100 marks by the committee. There are no internal marks for the Comprehensive Viva-Voce. A student shall acquire 2 credits assigned to the Comprehensive Viva–voce when he/she secures 50% or more marks for the total of 100 marks. In case, if a student fails in Comprehensive Viva–voce he/she shall reappear as and when III semester supplementary examinations are conducted.
 - 8.9 A candidate shall be deemed to have secured the minimum academic requirement in a subject if he secures a minimum of 40% of marks in the End Examination and a minimum aggregate of 50% of the total marks in the End Semester Examination and Internal Evaluation taken together.
 - 8.10 In case the candidate does not secure the minimum academic requirement in any of the subjects he/she has to reappear for the Semester Examination either supplementary or regular in that subject or repeat the course when next offered or do any other specified subject as may be required.
 - 8.11 The laboratory records and mid semester test papers shall be preserved for a minimum of 3 years in the respective institutions as per the University norms and shall be produced to the Committees of the University as and when the same are asked for.



9. Credit Transfer Policy

As per University Grants Commission (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016, the University shall allow up to a maximum of 40% of the total courses being offered in a particular Programme in a semester through the Online Learning courses through SWAYAM.

- 9.1 The University shall offer credit mobility for MOOCs and give the equivalent credit weightage to the students for the credits earned through online learning courses through SWAYAM platform.
 - 9.2 The online learning courses available on the SWAYAM platform will be considered for credit transfer. SWAYAM course credits are as specified in the platform
 - 9.3 Student registration for the MOOCs shall be only through the institution, it is mandatory for the student to share necessary information with the institution
 - 9.4 The institution shall select the courses to be permitted for credit transfer through SWAYAM. However, while selecting courses in the online platform institution would essentially avoid the courses offered through the curriculum in the offline mode.
 - 9.5 The institution shall notify at the beginning of semester the list of the online learning courses eligible for credit transfer in the forthcoming Semester.
 - 9.6 The institution shall also ensure that the student has to complete the course and produce the course completion certificate as per the academic schedule given for the regular courses in that semester
 - 9.7 The institution shall designate a faculty member as a Mentor for each course to guide the students from registration till completion of the credit course.
 - 9.8 The university shall ensure no overlap of SWAYAM MOOC exams with that of the university examination schedule. In case of delay in SWAYAM results, the university will re-issue the marks sheet for such students.
 - 9.9 Student pursuing courses under MOOCs shall acquire the required credits only after successful completion of the course and submitting a certificate issued by the competent authority along with the percentage of marks and grades.
 - 9.10 The institution shall submit the following to the examination section of the university:
 - a) List of students who have passed MOOC courses in the current semester along with the certificates of completion.
 - b) Undertaking form filled by the students for credit transfer.
 - 9.11 The university shall resolve any issues that may arise in the implementation of this policy from time to time and shall review its credit transfer policy in the light of periodic changes brought by UGC, SWAYAM, NPTEL and state govt.
- Note:** Students shall also be permitted to register for MOOCs offered through online platforms other than SWAYAM NPTEL. In such cases, credit transfer shall be permitted only after seeking approval of the University at least three months prior to the commencement of the semester.



10. Re-registration for Improvement of Internal Evaluation Marks:

A candidate shall be given one chance to re-register for each subject provided the internal marks secured by a candidate are less than 50% and has failed in the end examination

- 10.1 The candidate should have completed the course work and obtained examinations results for **I, II and III** semesters.
- 10.2 The candidate should have passed all the subjects for which the Internal Evaluation marks secured are more than 50%.
- 10.3 Out of the subjects the candidate has failed in the examination due to Internal Evaluation marks secured being less than 50%, the candidate shall be given one chance for each Theory subject and for a maximum of **three** Theory subjects for Improvement of Internal evaluation marks.
- 10.4 The candidate has to re-register for the chosen subjects and fulfill the academic requirements.
- 10.5 For reregistration the candidates have to apply to the University through the college by paying the requisite fees and get approval from the University before the start of the semester in which re-registration is required
- 10.6 In the event of availing the Improvement of Internal evaluation marks, the internal evaluation marks as well as the End Examinations marks secured in the previous attempt(s) for the reregistered subjects stand cancelled.

11. Evaluation of Project/Research Work:

The Project work shall be initiated at the beginning of the III Semester and the duration of the Project is of two semesters. Evaluation of Project work is for 300 marks with 200 marks for internal evaluation and 100 marks for external evaluation. Internal evaluation of the Project Work – I & Project work – II in III & IV semesters respectively shall be for 100 marks each. External evaluation of final Project work viva voce in IV semester shall be for 100 marks.

A Project Review Committee (PRC) shall be constituted with the Head of the Department as Chairperson, Project Supervisor and one faculty member of the department offering the M.Pharm. programme.

- 11.1 A candidate is permitted to register for the Project Work in III Semester after satisfying the attendance requirement in all the subjects, both theory and laboratory (in I & II semesters).
- 11.2 A candidate is permitted to submit Project dissertation with the approval of PRC. The candidate has to pass all the theory, practical and other courses before submission of the Thesis.
- 11.4 Project work shall be carried out under the supervision of teacher in the parent department concerned.
- 11.5 A candidate shall be permitted to work on the project in an industry/research organization on the recommendation of the Head of the Department. In such cases, one of the teachers from the department concerned would be the internal



- guide and an expert from the industry/ research organization concerned shall act as co-supervisor/ external guide. It is mandatory for the candidate to make full disclosure of all data/results on which they wish to base their dissertation. They cannot claim confidentiality simply because it would come into conflict with the Industry's or R&D laboratory's own interests. A certificate from the external supervisor is to be included in the dissertation.
- 11.6 Continuous assessment of Project Work - I and Project Work – II in III & IV semesters respectively will be monitored by the PRC.
 - 11.7 The candidate shall submit status report by giving seminars in three different phases (two in III semester and one in IV semester) during the project work period. These seminar reports must be approved by the PRC before submission of the Project Thesis.
 - 11.8 After registration, a candidate must present in Project Work Review - I, in consultation with his Project Supervisor, the title, objective and plan of action of his Project work to the PRC for approval within four weeks from the commencement of III Semester. Only after obtaining the approval of the PRC can the student initiate the project work.
 - 11.9 The Project Work Review - II in III semester carries internal marks of 100. Evaluation should be done by the PRC for 50 marks and the Supervisor will evaluate the work for the other 50 marks. The Supervisor and PRC will examine the Problem Definition, Objectives, Scope of Work, Literature Survey in the same domain and progress of the Project Work.
 - 11.10 A candidate has to secure a minimum of 50% of marks to be declared successful in Project Work Review - II. Only after successful completion of Project Work Review – II, candidate shall be permitted for Project Work Review – III in IV Semester. The unsuccessful students in Project Work Review - II shall reappear for it as and when supplementary examinations are conducted.
 - 11.11 The Project Work Review - III in IV semester carries 100 internal marks. Evaluation should be done by the PRC for 50 marks and the Supervisor will evaluate it for the other 50 marks. The PRC will examine the overall progress of the Project Work and decide whether or not eligible for final submission. A candidate has to secure a minimum of 50% of marks to be declared successful in Project Work Review - III. If he fails to obtain the required minimum marks, he has to reappear for Project Work Review - III after a month.
 - 11.12 For the approval of PRC the candidate shall submit the draft copy of dissertation to the Head of the Department and make an oral presentation before the PRC.
 - 11.13 After approval from the PRC, the students are required to submit a report showing that the plagiarism is within 30%. The dissertation report will be accepted only when the plagiarism is within 30%, which shall be submitted along with the dissertation report.



- 11.14 Research paper related to the Project Work shall be published in conference proceedings/UGC recognized journal. A copy of the published research paper shall be attached to the dissertation.
- 11.15 After successful plagiarism check and publication of research paper, three copies of the dissertation certified by the supervisor and HOD shall be submitted to the College.
- 11.16 The dissertation shall be adjudicated by an external examiner selected by the University. For this, the Principal of the College shall submit a panel of three examiners as submitted by the supervisor concerned and department head for each student. However, the dissertation will be adjudicated by one examiner nominated by the University.
- 11.17 If the report of the examiner is not satisfactory, the candidate shall revise and resubmit the dissertation, in the time frame as decided by the PRC. If report of the examiner is unfavorable again, the thesis shall be summarily rejected. The candidate has to reregister for the project and complete the project within the stipulated time after taking the approval from the University
- 11.18 If the report of the examiner is satisfactory, the Head of the Department shall coordinate and make arrangements for the conduct of Project Viva voce exam.
- 11.19 The Project Viva voce examinations shall be conducted by a board consisting of the Supervisor, Head of the Department and the external examiner who has adjudicated the dissertation. For Dissertation Evaluation (Viva voce) in IV Sem. there are external marks of 100 and it is evaluated by external examiner. The candidate has to secure a minimum of 50% marks in Viva voce exam.
- 11.20 If he fails to fulfill the requirements as specified, he will reappear for the Project Viva voce examination only after three months. In the reappeared examination also, if he fails to fulfill the requirements, he will not be eligible for the award of the degree.

12. Credits for Co-curricular Activities

The credits assigned for co-curricular activities shall be given by the principals of the colleges and the same shall be submitted to the University.

A Student shall earn 02 credits under the head of co-curricular activities, viz., attending Conference, Scientific Presentations and Other Scholarly Activities.

Following are the guidelines for awarding Credits for Co-curricular Activities

Name of the Activity	Maximum Credits / Activity
Participation in National Level Seminar/ Conference / Workshop /Training programs (related to the specialization of the student)	1
Participation in International Level Seminar / Conference / workshop/Training programs held outside India (related to the specialization of the student)	2
Academic Award/Research Award from State Level/National	1



Agencies	
Academic Award/Research Award from International Agencies	2
Research / Review Publication in National Journals (Indexed in Scopus / Web of Science)	1
Research / Review Publication in International Journals with Editorial board outside India (Indexed in Scopus / Web of Science)	2

Note:

- i) Credit shall be awarded only for the first author. Certificate of attendance and participation in a Conference/Seminar is to be submitted for awarding credit.
- ii) Certificate of attendance and participation in workshops and training programs (Internal or External) is to be submitted for awarding credit. The total duration should be at least one week.
- iii) Participation in any activity shall be permitted only once for acquiring required credits under cocurricular activities

13. Grading:

As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades and corresponding percentage of marks shall be followed:

After each course is evaluated for 100 marks, the marks obtained in each course will be converted to a corresponding letter grade as given below, depending on the range in which the marks obtained by the student fall.

Structure of Grading of Academic Performance

Range in which the marks in the subject fall	Grade	Grade points Assigned
≥ 90	S (Superior)	10
$\geq 80 < 90$	A (Excellent)	9
$\geq 70 < 80$	B (Very Good)	8
$\geq 60 < 70$	C (Good)	7
$\geq 50 < 60$	D (Pass)	6
< 50	F (Fail)	0
Absent	Ab (Absent)	0

- i) A student obtaining Grade 'F' or Grade 'Ab' in a subject shall be considered failed and will be required to reappear for that subject when it is offered the next supplementary examination.
- ii) For noncredit audit courses, "Satisfactory" or "Unsatisfactory" shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA/Percentage.

Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

The Semester Grade Point Average (SGPA) is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by



a student and the sum of the number of credits of all the courses undergone by a student, i.e.,

$$SGPA = \Sigma (C_i \times G_i) / \Sigma C_i$$

where, C_i is the number of credits of the i^{th} subject and G_i is the grade point scored by the student in the i^{th} course.

- i) The Cumulative Grade Point Average (CGPA) will be computed in the same manner considering all the courses undergone by a student over all the semesters of a program, i.e.,

$$CGPA = \Sigma (C_i \times S_i) / \Sigma C_i$$

where “ S_i ” is the SGPA of the i^{th} semester and C_i is the total number of credits up to that semester.

- ii) Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.
- iii) While computing the SGPA the subjects in which the student is awarded Zero grade points will also be included.

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.

Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters S, A, B, C, D and F.

14. Award of Class:

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of M. Pharm. Degree, he shall be placed in one of the following three classes:

Class Awarded	Percentage of Marks to be secured
First Class with Distinction	$\geq 70\%$
First Class	$< 70\% \geq 60\%$
Pass Class	$< 60\% \geq 50\%$

15. **Exit Policy:** The student shall be permitted to exit with a PG Diploma based on his/her request to the university through the respective institution at the end of first year subject to passing all the courses in first year.

The University shall resolve any issues that may arise in the implementation of this policy from time to time and shall review the policy in the light of periodic changes brought by UGC, PCI, AICTE and State government.

16. Withholding of Results:

If the candidate has any case of in-discipline pending against him, the result of the candidate shall be withheld, and he will not be allowed/promoted into the next higher semester. The issue of degree is liable to be withheld in such cases.



17. Transitory Regulations

Discontinued, detained, or failed candidates are eligible for readmission as and when the semester is offered after fulfilment of academic regulations. Candidates who have been detained for want of attendance or not fulfilled academic requirements or who have failed after having undergone the course in earlier regulations or have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent subjects as and when subjects are offered, subject to Section 2 and they will follow the academic regulations into which they are readmitted.

18. General:

- 17.1 The academic regulations should be read as a whole for purpose of any interpretation.
- 17.2 Disciplinary action for Malpractice/improper conduct in examinations is appended.
- 17.3 There shall be no places transfer within the constituent colleges and affiliated colleges of Jawaharlal Nehru Technological University Anantapur.
- 17.4 Where the words “he”, “him”, “his”, occur in the regulations, they include “she”, “her”, “hers”.
- 17.5 In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- 17.6 The University may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the University.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., Act. No. 30 of 2008)
ANANTAPURAMU – 515 002 (A.P) INDIA

Draft Academic Regulations (R15) for
B. Tech/B.Pharm (Regular-Full time)

(Effective for the students admitted into 1 year from the Academic Year 2015-2016 onwards)

1. Award of B.Tech. Degree

A student will be declared eligible for the award of the B.Tech/B Pharm degree if he/she fulfils the following academic regulations:

- i. Pursues a course of study for not less than four academic years and in not more than eight academic years. However, for the students availing Gap year facility this period shall be extended to two years at the most and these two years would not be counted for the time for the maximum time for graduation.
 - ii. Registers for 176 credits and secure all 176 credits.
2. Students, who fail to fulfill all the academic requirements for the award of the degree within eight academic years from the year of their admission, shall forfeit their seat in B.Tech. course and their admission stands cancelled.

3. Courses of study

The following courses of study are offered at present as specializations for the B. Tech. course for non-autonomous, constituent & affiliated colleges from 2015-16

S.No.	Name of the Branch	Branch Code
1.	Civil Engineering	01
2.	Electrical and Electronics Engineering	02
3.	Mechanical Engineering	03
4.	Electronics and Communication Engineering	04
5.	Computer Science and Engineering	05
6.	Electronics and Instrumentation Engineering	10
7.	Information Technology	12

and any other course as approved by the authorities of the University from time to time.

4. Distribution and Weightage of Marks

The performance of a student in each semester shall be evaluated subject –wise with a maximum of 100 marks for theory and 100 marks for practical subject. In addition, project work shall be evaluated for 200 marks whereas audit courses shall be evaluated for a maximum of 30 internal marks.

- i. For theory subjects the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End-Examination.
- ii. For practical subjects the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End- Examination.

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Internal Examinations:

- i. For theory subjects, during the semester, there shall be two midterm examinations. Each midterm examination consists of objective paper for 10 marks and subjective paper for 20 marks with duration of 1 hour 50 minutes (20 minutes for objective and 90 minutes for subjective paper).

Objective paper shall be for 10 marks. Subjective paper shall contain 5 questions of which student has to answer 3 questions evaluated* for 20 marks.

***Note 1:** The subjective paper shall contain 5 questions of equal weightage of 10 marks and the marks obtained for 3 questions shall be condensed to 20 marks, any fraction shall be rounded off to the next higher mark.

***Note 2:** The midterm examination shall be conducted first by distribution of the Objective paper, simultaneously marking the attendance, after 20 minutes the answered objective paper shall be collected back. The student is not allowed to leave the examination hall. Then the descriptive question paper and the answer booklet shall be distributed. After 90 minutes the answered booklets are collected back.

If the student is absent for the internal examination, no re-exam shall be conducted and internal marks for that examination shall be considered as zero.

First midterm examination shall be conducted for I,II units of syllabus and second midterm examination shall be conducted for III,IV & V units.

Final Internal marks shall be arrived at by considering the marks secured by the student in both the mid examinations with 80% weightage to the better mid exam and 20% to the other.

For Ex:

Marks obtained in first mid: 25
Marks obtained in Second mid: 20
Final Internal Marks: $(25 \times 0.8) + (20 \times 0.2) = 24$

If the student is absent for any one midterm examination, the final internal marks shall be arrived at by considering 80% weightage to the marks secured by the student in the appeared examination and zero to the other. For Ex:

Marks obtained in first mid: Absent
Marks obtained in Second mid: 25
Final Internal Marks: $(25 \times 0.8) + (0 \times 0.2) = 20$

End Examinations:

- i. End examination of theory subjects shall have the following pattern:
 - a. There shall be 6 questions and all questions are compulsory.
 - b. Question I shall contain 10 compulsory short answer questions for a total of 20 marks such that each question carries 2 marks. There shall be 2 short answer questions from each unit.
 - c. In each of the questions from 2 to 6, there shall be either-or type questions of 10 marks each. Student shall answer any one of them.
 - d. Each of these questions from 2 to 6 shall cover one unit of the syllabus.
- ii. End examination of theory subjects consisting of two parts of different subjects, for ex: Electrical & Mechanical Technology, shall have the following pattern:
 - a. Question paper shall be in two parts viz., Part A and Part B with equal

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weightage.

- b. In each part, there shall be 3 either-or type questions for 12,12 and 11 marks.

Note: The answers for Part A & Part B shall be written in two separate answer books.

For practical subjects there shall be a continuous evaluation during the semester for 30 sessional marks and end examination shall be for 70 marks. Day-to-day work in the laboratory shall be evaluated for 30 marks by the concerned laboratory teacher based on the regularity/record/ viva. The end examination shall be conducted by the concerned laboratory teacher and senior expert in the same subject of the department.

In a practical subject consisting of two parts (ex: Electrical & Mechanical Lab), the end examination shall be conducted for 35 marks in each part. Internal examination shall be evaluated as above for 30 marks in each part and final internal marks shall be arrived by considering the average of marks obtained in two parts.

There shall be an audit pass course in Human values & Professional ethics and Advanced Communication skills lab with no credits. There shall be no external examination. However, attendance in the audit course shall be considered while calculating aggregate attendance and student shall be declared pass in the audit course only when he/she secures 40% or more in the internal examinations. In case if student fails, re-exam shall be conducted for failed candidates every six months/semester at a mutual convenient date of college/student satisfying the conditions mentioned in item 1 & 2 of the regulations.

For the subject having design and/or drawing, such as Engineering Drawing, the distribution shall be 30 marks for internal evaluation and 70 marks for end examination.

Day-to-day work shall be evaluated for 15 marks by the concerned subject teacher based on the reports/submissions prepared in the class. And there shall be two midterm examinations in a semester for duration of 2hrs each for 15 marks with weightage of 80% to better mid marks and 20% for the other. The subjective paper shall contain 5 questions of equal weightage of 10 marks and the marks obtained for 3 questions shall be condensed to 15 marks, any fraction (0.5 & above) shall be rounded off to the next higher mark. There shall be no objective paper in internal examination. The sum of day to day evaluation and the internal test marks will be the final sessional marks for the subject.

In the end examination pattern for Engineering Drawing there shall be 5 questions, either-or type, of 14 marks each. There shall be no objective type questions in the end examination.

There shall be two comprehensive online examinations conducted by the respective colleges, one at the end of II year and the other at the end of III year, with 100 objective questions for 100 marks on the subjects (both I & II semesters) studied in the respective years. As there are twelve subjects in the year, minimum of eight objective questions shall be framed from each subject covering all five Units. The Principals of the respective colleges are given the responsibility of preparing question bank/ question paper and conducting the online examination maintaining confidentiality. A student shall acquire 1 credit assigned to the comprehensive online examination only when he/she secures 40% or more marks. In case, if a student fails in comprehensive online examination, he shall reappear/ re-register by following a similar procedure adopted for the lab examinations.

Laboratory marks and the sessional marks awarded by the college are not final. They are subject to scrutiny and scaling by the University wherever necessary. In such cases, the sessional and laboratory marks awarded by the college will be referred to a committee. The committee will arrive at a scaling factor and the marks will be scaled as per the scaling factor. The recommendations of the Committee are final and binding.

The laboratory records and internal test papers shall be preserved for minimum of 2 years in the respective institutions as per the University norms and shall be produced to the Committees of the University as and when the same are asked for.

5 Attendance Requirements:

A student shall be eligible to appear for University examinations if he acquires a minimum of 75% of attendance in aggregate of all the subjects in a semester/ I year.

Shortage of Attendance below 65% in aggregate shall in NO case be condoned.

Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be granted by the College Academic Committee.

Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that class and their registration shall stand cancelled.

A student will not be promoted to the next semester unless he satisfies the attendance requirements of the present semester. They may seek readmission for that semester when offered next.

A stipulated fee shall be payable towards condonation of shortage of attendance to the University.

6 Minimum Academic Requirements:

The following academic requirements have to be satisfied in addition to the attendance requirements mentioned in item no.5

A student shall be deemed to have satisfied the minimum academic requirements and earned the credits allotted to each theory, practical, design, drawing subject or project if he secures not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum total of the internal evaluation and end examination taken together. In case of audit courses he/she should secure 40% of the total marks.

A student shall be promoted from II to III year only if he/she fulfils the academic requirement of securing 40% of the credits i.e., 25 credits in the subjects that have been studied up to II year I semester from the following examinations, irrespective of whether the candidate takes the end examination or not as per the normal course of study.

One regular and one supplementary examinations of I year (I & II Semester).

One regular examination of II year I semester

A student shall be promoted from III year to IV year only if he/she fulfils the academic requirements of securing 40% of the credits in the subjects that have been studied upto III year I semester from the following examinations, irrespective of whether the candidate takes the end examination or not as per the normal course of study.

One regular and Three supplementary examinations of I year (I & II Semester).

One regular and two supplementary examinations of II year (I & II Semester).

One regular examination of III year I semester.

And in case if student is already detained for want of credits for particular academic year by sections 6.2 and 6.3 above, the student may make up the credits through supplementary exams of the above exams before the commencement of third or fourth year I semester class work respectively of next year.

A student shall register and put up minimum attendance in all 176 credits and earn all the 176 credits. Marks obtained in all 176 credits shall be considered for the calculation of aggregate percentage of marks obtained.

Students who fail to earn 176 credits as indicated in the course structure within eight academic years from the year of their admission shall forfeit their seat in B.Tech. course and their admission shall stand cancelled.

7. **Course pattern:**

The entire course of study is for four academic years. All years shall be on semester pattern.

A student eligible to appear for the end examination in a subject, but absent or has failed in the end examination may appear for that subject at the next supplementary examination when offered.

When a student is detained due to lack of credits/shortage of attendance he may be re-admitted when the semester is offered after fulfilment of academic regulations. In such case, he/she shall be in the academic regulations into which he/she is readmitted.

8. **With-holding of results:**

If the candidate has any dues not paid to the university or if any case of indiscipline or malpractice is pending against him, the result of the candidate shall be withheld and he will not be allowed / promoted into the next higher semester. The issue of awarding degree is liable to be withheld in such cases.

9. **Grading**

After each subject is evaluated for 100 marks, the marks obtained in each subject will be converted to a corresponding letter grade as given below, depending on the range in which the marks obtained by the student fall.

Table – Conversion into Grades and Grade Points assigned

Range in which the marks in the subject fall	Grade	Grade points Assigned
≥ 90	S (Superior)	10
80-89	A (Excellent)	9
70-79	B (Very Good)	8
60-69	C (Good)	7
50-59	D (Average)	6
40-49	E (Below Average)	4
< 40	F (Fail)	0
Absent	Ab (Absent)	0

- i. A student obtaining Grade F shall be considered failed and will be required to reappear for that subject when the next supplementary examination offered.
- ii. For non credit courses „Satisfactory“ or “Unsatisfactory“ shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA.

Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

i. The Semester Grade Point Average (SGPA) is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

$$SGPA = \frac{\sum (C_i \times G_i)}{\sum C_i}$$

Where, C_i is the number of credits of the i^{th} subject and G_i is the grade point scored by the student in the i^{th} course.

ii. The Cumulative Grade Point Average (CGPA) will be computed in the same manner taking into account all the courses undergone by a student over all the semesters of a program, i.e.

$$CGPA = \frac{\sum (C_i \times S_i)}{\sum C_i}$$

Where „ S_i “ is the SGPA of the i^{th} semester and C_i is the total number of credits in that semester.

iii. Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

iv. While computing the GPA/CGPA the subjects in which the student is awarded Zero grade points will also be included.

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.

Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters S, A, B, C, D, E and F.

10. Award of Class:

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of B. Tech. Degree he shall be placed in one of the following four classes:

Class Awarded	CGPA Secured
First Class with Distinction	≥ 7.5
First Class	$\geq 6.5 < 7.5$
Second Class	$\geq 5.5 < 6.5$
Pass Class	$\geq 4.0 < 5.5$

11. Gap Year – concept of Student Entrepreneur in Residence shall be introduced and outstanding students who wish to pursue entrepreneurship are allowed to take a break of one year at any time after II year to pursue entrepreneurship full time. This period may be extended to two years at the most and these two years would not be counted for the time for the maximum time for graduation. The Principal of the respective college shall forward such proposals submitted by the students to the university. An evaluation committee shall be constituted by the University to evaluate the proposal submitted by the student and the committee shall decide whether or not to permit student(s) to avail the Gap Year.

12. Transitory Regulations:

Discontinued, detained, or failed candidates are eligible for readmission as and when the semester is offered after fulfilment of academic regulations. Candidates who have been detained for want of attendance or not fulfilled academic requirements or who have failed after having undergone the course in earlier regulations or have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent subjects as and when subjects are offered, subject to Section 2 and they will be in the academic regulations into which they get readmitted.

Candidates who were permitted with Gap Year shall be eligible for rejoining into the succeeding year of their B.Tech from the date of commencement of class work, subject to Section 2 and they will be in the academic regulations into which the candidate is presently rejoining.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
Academic Regulations for The Award Of Full Time M.Tech. P.G. Degree
(WITH EFFECT FROM THE ACADEMIC YEAR 2017-18 ONWARDS)

The Jawaharlal Nehru Technological University Anantapur shall confer M. Tech. Post Graduate degree to candidates who are admitted to the Master of Technology Programs and fulfill all the requirements for the award of the degree.

1.0 ELIGIBILITY FOR ADMISSIONS:

Admission to the above programmes shall be made subject to the eligibility, qualifications and specializations prescribed by the University for each programme, from time to time.

Admissions shall be made either on the basis of merit rank obtained by the qualified candidates at an Entrance Test conducted by the University or on the basis of GATE/PGET score, subject to reservations prescribed by the University or Government policies from time to time.

2.0 COURSE WORK:

- 2.1 A Candidate after securing admission must pursue the M.Tech. course of study for Four semesters duration.
- 2.2 Each semester shall be of 20 weeks duration including all examinations.
- 2.3 A candidate admitted to a programme should complete it within a period equal to twice the prescribed duration of the programme from the date of admission.
- 2.4 The medium of instruction shall be English for all theory and practical courses, examinations, Seminar, Teaching Assignments, Comprehensive Viva-Voce and Project thesis/dissertation reports.

3.0 ATTENDANCE:

- 3.1 A candidate shall be deemed to have eligibility to write end semester examinations if he/she has put in atleast 75% of attendance on cumulative basis of all subjects/courses in the semester.
- 3.2 Condonation of shortage of attendance up to 10% i.e., from 65% and above and less than 75% may be given by the college on the recommendation of the Principal.
- 3.3 Condonation of shortage of attendance shall be granted only on genuine and valid reasons on representation by the candidate with supporting evidence.

- 3.4 If the candidate does not satisfy the attendance requirement he/she is detained for want of attendance and shall reregister for that semester. He/she shall not be promoted to the next semester.

4.0. EVALUATION:

The performance of the candidate in each semester program shall be evaluated subject wise, with a maximum of 100 marks for theory and 100 marks for practical examination, on the basis of Internal Evaluation and End Examination.

- 4.1. There shall be five units in each of the theory subjects. For the theory subjects 60% of the marks will be for the End Examination and 40% of the marks will be for Internal Evaluation.
- 4.2. Two Internal Examinations shall be held during the semester for 20 marks. First internal examination shall be conducted for half of the syllabus and second internal examination shall be conducted for remaining half of the syllabus. In each internal exam, a student shall answer all three questions in 2 hours of time without seeking any choice. Final Internal marks for a total of 20 marks shall be arrived at by considering the marks secured by the student in both the internal examinations with 70% weightage to the better internal exam and 30% to the other.
- 4.3. For the remaining 20 marks in internal evaluation, the University shall conduct one online examination.
- 4.4. The following pattern shall be followed in the End Examination.
 - a) Five questions shall be set from each of the five units with either/or type for 12 marks each.
 - b) All the questions have to be answered compulsorily.
 - c) Each question may consist of one, two or more bits.
- 4.5. For practical subjects, 60 marks shall be for the End Semester Examinations and 40 marks will be for internal evaluation based on the day to day performance.
- 4.6. For **Comprehensive Viva-Voce** and **Seminar** there will be an internal evaluation of 100 marks in each. A candidate has to secure a minimum of 50% (in each) to be declared successful. The assessment will be made by a board consisting of HOD and two senior internal experts at the end of **III** semester instruction.
- 4.7. For **Teaching Assignments** there will be an internal evaluation of 100 marks. A candidate has to secure a minimum of 50% to be declared successful. Student has to teach 10 Hours in his/her interesting subject/subjects in the entire **III** Semester instruction period for his juniors at PG level or Under Graduate students who are available on the campus. For each teaching hour maximum of 10 marks are allotted. The assessment will be made by the faculty allotted by the HOD.

- 4.8. Mandatory MOOCs course is introduced in III Semester as an elective without any credits. A student can choose any subject of his/her choice that has more than 30 hours duration from any MOOCs provider and should obtain satisfactory certificate. An Open Elective is introduced in III semester.
- 4.9. A candidate shall be deemed to have secured the minimum academic requirement in a subject if he secures a minimum of 40% of marks in the End Examination and a minimum aggregate of 50% of the total marks in the End Semester Examination and Internal Evaluation taken together.
- 4.10. In case the candidate does not secure the minimum academic requirement in any of the subjects (as specified in 4.9.) he/she has to reappear for the Semester Examination either supplementary or regular in that subject, or repeat the course when next offered or do any other specified subject as may be required.

5.0 RE-REGISTRATION FOR IMPROVEMENT OF INTERNAL EVALUATION MARKS:

Following are the conditions to avail the benefit of improvement of internal evaluation marks.

- 5.1 The candidate should have completed the course work and obtained examinations results for **I, II and III** semesters.
- 5.2 He should have passed all the subjects for which the Internal Evaluation marks secured are more than 50%.
- 5.3 Out of the subjects the candidate has failed in the examination due to Internal Evaluation marks secured being less than 50%, the candidate shall be given one chance for each Theory subject and for a maximum of **three** Theory subjects for Improvement of Internal evaluation marks.
- 5.4 The candidate has to re-register for the chosen subjects and fulfill the academic requirements.
- 5.5 For each subject, the candidate has to pay a fee equivalent to one third of the semester tuition fee and the amount is to be remitted in the form of D.D. in favour of the Registrar, JNTUA payable at Ananthapuramu along with the requisition through the Principal of the respective college.
- 5.6 In the event of availing the Improvement of Internal evaluation marks, the internal evaluation marks as well as the End Examinations marks secured in the previous attempt(s) for the reregistered subjects stand cancelled.

6.0 EVALUATION OF PROJECT WORK:

Every candidate shall be required to submit thesis or dissertation after taking up a topic approved by the college/institute.

- 6.1 **Registration of Project work:** A candidate is permitted to register for the project work after satisfying the attendance requirement of all the courses (theory and practical courses of I & II Semester)
- 6.2 An Internal Departmental Committee (I.D.C) consisting of HOD, Supervisor and one internal senior expert shall monitor the progress of the project work.
- 6.3 The **first phase of the project work** on the project shall be initiated in the third semester and **second phase of the project work will be** continued in the final semester i.e., fourth semester. The duration of the project work is for two semesters. The candidate can submit Project thesis with the approval of I.D.C. after 36 weeks from the date of registration at the earliest and one calendar year from the date of registration for the project work. Extension of time within the total permissible limit for completing the programme is to be obtained from the Head of the Institution.
- 6.4 The student must submit status report by giving seminars in three different phases (**one in III semester and another two in IV semester**) during the project work period. These seminar reports must be approved by the I.D.C before submission of the Project Report.
- 6.5 A candidate shall be allowed to submit the thesis/dissertation only after obtaining plagiarism report with less than 30% and passing in all the prescribed subjects (both theory and practical), and then take viva-voce examination of the project. The viva-voce examination may be conducted once in two months for all the candidates submitted during that period.
- 6.6 Three copies of the Thesis/Dissertation certified in the prescribed format by the supervisor & HOD shall be presented to the HOD. One copy is to be forwarded to the University and one copy to be sent to the examiner.
- 6.7 The college shall submit a panel of three experts for a maximum of **five** students at a time. However, the thesis/dissertation will be adjudicated by one examiner nominated by the University.
- 6.8 If the report of the examiner is favorable viva-voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the examiner who adjudicated the thesis/dissertation. The board shall jointly report candidates work as:

- | | |
|---------------------|---------|
| 1. Satisfactory | Grade A |
| 2. Not satisfactory | Grade B |

If the report of the viva-voce is not satisfactory (Grade B) the candidate will retake the viva-voce examination after three months. If he fails to get a satisfactory report at the second viva-voce examination he will not be eligible for

the award of the degree unless the candidate is permitted to revise and resubmit the thesis.

7.0 GRADING

After each subject is evaluated for 100 marks, the marks obtained in each subject will be converted to a corresponding letter grade as given below, depending on the range in which the marks obtained by the student fall.

Letter Grade	Marks Range	Grade Point
S	91-100	10
A	81-90	9
B	70-80	8
C	60-69	7
D	55-59	6
E	50-54	5
F	<50	0
Absent	Ab (Absent)	0

A student obtaining Grade F shall be considered failed and will be required to reappear for that subject when the next supplementary examination offered.

Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

The Semester Grade Point Average (SGPA) is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

$$SGPA = \frac{\sum_{i=1}^n (C_i \times G_i)}{\sum_{i=1}^n C_i}$$

Where, C_i is the number of credits of the i^{th} subject, G_i is the grade point scored by the student in the i^{th} course and n is the number of subjects.

The Cumulative Grade Point Average (CGPA) will be computed in the same manner taking into account all the courses undergone by a student over all the semesters of a program, i.e.

$$CGPA = \frac{\sum_{i=1}^n (C_i \times S_i)}{\sum_{i=1}^n C_i}$$

Where ' S_i ' is the SGPA of the i^{th} semester, C_i is the total number of credits in that semester and n is the number of semesters.

Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

While computing the SGPA the subjects in which the student is awarded Zero grade points will also be included.

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.

Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters as mentioned in the above table.

8.0 AWARD OF DEGREE AND CLASS:

8.1 A candidate shall be eligible for the award of respective degree if he/she fulfils the following academic regulations.

- i. Pursues a course of study for not less than two academic years and in not more than four academic years.
- ii. Registers for 78 credits and secures all 78 credits.

8.2 A candidate shall be eligible for the award of class if he/she satisfies the minimum academic requirements in every subject and secures 'satisfactory' grade report on his/her project thesis viva-voce. Based on overall percentage of marks obtained, the following class is awarded.

Class Awarded	CGPA Secured
First class with Distinction	≥ 8
First class	≥ 7 and < 8
Second class	≥ 5 and < 7

9.0 WITH – HOLDING OF RESULTS:

If the candidate has not paid dues to the university or if any case of in-discipline is pending against him, the result of the candidate shall be withheld and he will not be allowed/promoted into the next higher semester. The issue of degree is liable to be withheld in such cases.

10.0 TRANSITORY REGULATIONS:

Candidates who have discontinued or have been detained for want of attendance or who have failed after having undergone the course in earlier regulations and wish to continue the course are eligible for admission into the unfinished semester from



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515 002 (A.P) - INDIA

Examinations Branch

B.Pharmacy IV Year II Semester Regular & Supplementary June/July 2022 Examinations


Timetable

Time 10.00 AM to 01.00 PM

Date / Day	R15
29.06.2022 Wednesday	Biostatistics & Design of Experiments 15R00801
01.07.2022 Friday	Intellectual Property Rights 15R00802

NOTE: 1. Any omissions or clashes in this time table may please be informed to the Controller of Examinations immediately.
2. Even if government declares holiday on any of the above dates, the examinations shall be conducted as usual.

Date: 13.06.2022


Controller of Examinations (UG)

ACADEMIC CALENDAR 2022-23

B.Pharm IV Year I & II Semesters
(for 2019 admitted batch)

I Semester		
Industrial Training	10.08.2022 to 03.09.2022	(04 Weeks)
I Spell of Instructions: (include I Mid-term Examinations)	05.09.2022 to 02.11.2022	(50 Days)
II Spell of Instructions: (include II Mid-term Examinations)	03.11.2022 to 27.12.2022	(50 Days)
End laboratory Examinations:	28.12.2022 to 31.12.2022	(04 Days)
End Theory Examinations:	02.01.2023 to 16.01.2023	(12 Days)
Commencement of Class Work for IV Years B.Pharm II semester	23.01.2023 (Monday)	
Declaration of results for IV-I	15.02.2022	

II Semester		
I Spell of Instructions including project work (include I Mid-term Examinations)	23.01.2023 to 11.03.2023	(50 Days)
II Spell of Instructions including project work (include II Mid-term Examinations)	13.03.2023 to 29.04.2023	(50 Days)
End Theory Examinations:	01.05.2023 to 03.05.2023	(03 Days)
Project work Viva Voce Examinations:	04.05.2023 to 06.05.2023	(03 Days)
Declaration of results for IV-II	15.05.2023	

Note:

- ✓ The Mid-term Examinations should be conducted and completed as per the schedule given.
- ✓ For slippage of working days due to any unavoidable reasons compensation can be made by conducting class work on second Saturdays Sundays and other holidays except on National Holidays and important festivals

Date: 08.08.2022

DIRECTOR OF EVALUATION

S. Arumana



Dr. K. V. SUBBA REDDY INSTITUTE OF PHARMACY

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Opp: Dupadu RS, N.H-44, Lakshmipuram (Post), Kurnool-518218

E-mail: principalkvsrip@gmail.com

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Fax: 08518-287618

IV B Pharm I Semester I Mid Term Examination Time Table

S. No	Date	Morning Session	Afternoon Session
1	14-11-2022	Instrumental Methods of Analysis	Instrumental Methods of Analysis Lab (Section A Batch A)
2	15-11-2022	Industrial Pharmacy -II	Instrumental Methods of Analysis Lab (Section A Batch B)
3	16-11-2022	Pharmacy Praticce	Instrumental Methods of Analysis Lab (Section B Batch A)
4	17-11-2022	NDDS	Instrumental Methods of Analysis Lab (Section B Batch A)

S. V. Annam
Principal





Dr. K.V. Subba Reddy Institute of Pharmacy

IV B. Pharm I Sem MID EXAM Attendance Sheet

FACULTY:

NBA'S

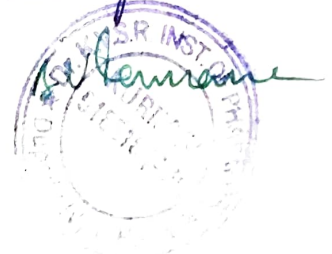
Sub:

Sub Code:

Regulation: R19

Mid-1

S. No	Regd No	First Name	MARKES SHEET
1	19ER1R0001	AKULA SRILATHA	A. Srilatha
2	19ER1R0002	ANUPA SANDEEP KUMAR	A. Sandeep Kumar
3	19ER1R0003	B G AJJESWARI	B.G. Ajjeswari
4	19ER1R0004	B SUPRIYA BAI	B. Supriya Bai
5	19ER1R0005	BARSARI SARITHA	B. Saritha
6	19ER1R0006	BHOOME POONAM SAI	B. Poonam Sai
7	19ER1R0007	BOYA SAI DIVYA	B. Sai Divya
8	19ER1R0008	BYDEDINNE VINOD KUMAR	B. Vinod Kumar
9	19ER1R0009	CHATAKONDA SRI LASYA	C. Sri Lasya
10	19ER1R0010	CHIDIGE SANDHYA	C. Sandhya
11	19ER1R0011	DASARI SREYA REDDY	D. Sreya Reddy
12	19ER1R0012	DEREDDY MANJUSHA	D. Manjusha
13	19ER1R0013	DESAM KRISHNA PRIYA	D. Krishna Priya
14	19ER1R0014	DONGAKARI YAMUNA BAI	D. Yamuna Bai
15	19ER1R0016	GANGUGA HARISHA	G. Harisha
16	19ER1R0017	GOLLA SIDDU	Golla Siddu
17	19ER1R0018	GUJJULA JAHNAVI	G. Jahnavi
18	19ER1R0019	GURRAM ANITHA	G. Anitha
19	19ER1R0020	KADE GEETHA MOUNIKA	K. Geetha Mounika
20	19ER1R0021	KAMASAMUDRAM SUSHMANTH	K. Sushmantha
21	19ER1R0022	KAMATAM NANDA KISHORE	K. Nanda Kishore
22	19ER1R0024	KASETTY NAVEEN SAI KUMAR	K. Naveen Sai Kumar
23	19ER1R0025	KASIREDDYGARI NAVANEETHA	K. Navaneetha
24	19ER1R0026	KILAL PAVAN KUMAR	K. Pavan Kumar
25	19ER1R0027	KOKKAIHAGARI ANUSHA	K. Anusha
26	19ER1R0028	KONAPURAM HARSHITHA	K. Harshitha
27	19ER1R0029	KOTHAKOTA KEERTHI	K. Keerthi
28	19ER1R0030	KUMMARI HARI KRISHNA	K. Hari Krishna
29	19ER1R0031	KUMMARI VAISHNAVI	K. Vaishnavi
30	19ER1R0032	KURUVA ANUSHA	K. Anusha
31	19ER1R0033	M MOUNIKA	M. Mounika
32	19ER1R0034	MADIGA KUMARI	M. Kumari
33	19ER1R0036	MARAKATTU GNANESHWAR	M. Gnaneshwar
34	19ER1R0037	MARICARLA JAYASREE	M. Jayasree
35	19ER1R0038	NAIK SAHEDA BEGUM	N. Saheda Begum





Dr. K.V. Subba Reddy Institute of Pharmacy

IV B. Pharm I Sem MID EXAM Attendance Sheet FACULTY:

Sub:

Sub Code:

Regulation: R19

36	19ER1R0039	PAGIDI SANJEEVA GUNAVARDHAN	P. Sanjeeva Gunavardhan
37	19ER1R0040	PASALA SAI KEERTHANA	P. Keerthana
38	19ER1R0041	POTHURAJU MALATHI	P. Malathi
39	19ER1R0042	REDDYVARI PRATHIBHA	R. Prathiba Sri
40	19ER1R0043	ROWDURMEEDINTI NAVYA	R. m. Navya
41	19ER1R0044	SAKE HEMA LATHA	S. Hemalatha
42	19ER1R0045	SHAIK AMREEN	S. Amreen
43	19ER1R0046	SHAIK FATHIMA	S. Fathima
44	19ER1R0047	SHAIK NUSRATH	S. Nusrath
45	19ER1R0048	SHAIK AKULA SHAHEEN	S. A. Shaheen
46	19ER1R0049	SINDHE THIRUPATI	S. Sindhe
47	19ER1R0050	SIRASANI SUSHMITHA	S. Sushmitha
48	19ER1R0051	SURYAPOGU SRI HARSHA	S. Sri Harsha
49	19ER1R0052	TALUPULA LAKSHMI NANDANA	T. Lakshmi nandana
50	19ER1R0053	TAPPETA SWAPNA	T. Swapna
51	19ER1R0054	YASANI SUMAN	Y. Suman
52	19ER1R0055	YETUKURI LIKHITHA	Y. Likhitha
53	19ER1R0056	GOPALAM SURYAKALA	G. Suryakala
54	19ER1R0057	C FARHANA	C. Farhana
55	19ER1R0059	ANGADI PAVAN KUMAR	A. Pavan Kumar
56	19ER1R0060	BIDILA IMAM USSAIN	B. Imam ussain
57	19ER1R0061	CHITTIREDDY UDAYA KIRAN REDDY	C. Kiran Reddy
58	19ER1R0062	DHONI NAVEEN KUMAR	D. Naveen
59	19ER1R0063	EDIGA GIRIJA	E. Girija
60	19ER1R0064	GADDALA PREMALATHA	G. Premalatha
61	19ER1R0066	JYOGI AMRUTHA VARSHINI	J. Amrutha varshini
62	19ER1R0067	K SRINIVAS NAIK	K. Sreenivas Naik
63	19ER1R0069	KURUVA BHARATHI	K. Bharathi
64	19ER1R0070	MANAM ASHOK KUMAR	M. Ashok
65	19ER1R0071	MANDLA CHANDANA	M. Chandana
66	19ER1R0072	MOKA MOUNIKA	M. Mounika
67	19ER1R0073	MUKKAMALLA ADIL BASHA	M. Adil Basha
68	19ER1R0074	NANDHI MANOJ KUMAR	N. Manoj Kumar
69	19ER1R0076	PICHIGUNTLA MOUNIKA	P. mounika
70	19ER1R0077	PIJARI ARSHAD	P. Arshad
71	19ER1R0078	PUJARI PEDDA VEERAPPA	P. Veerappa
72	19ER1R0079	SANDRA SREELATHA	S. Sree Latha
73	19ER1R0080	SETTIPALLI MADHU SUDHAN REDDY	Madhu Sudhan Reddy



Dr. K.V. Subba Reddy Institute of Pharmacy

IV B. Pharm I Sem MID EXAM Attendance Sheet FACULTY:

Sub:

Sub Code:

Regulation: R19

74	19ER1R0081	SHAIK JAVEED AKTHAR	S. Siveed
75	19ER1R0083	SHAIK SANIHA	S. Sanitha
76	19ER1R0084	TELUGU SOWJANYA	T. Sowjanya
77	19ER1R0086	YELLAMADDI PAVAN KALYAN	Y. Pavan kalyan
78	19ER1R0088	BHUMA MAHENDRA REDDY	B. Mahendra Reddy
79	19ER1R0091	CHITLA SOWMYA	C. Sowmya
80	19ER1R0092	DESAM.MADHURI	D. madhuri
81	19ER1R0093	KUNCHA MANASA	K. Manasa
82	19ER1R0094	KETHAVARAM RAHAMTHULLA	K. Rahamthulla
83	19ER1R0095	HOKRANE PAVAN KUMAR YADAV	H. Pavan Kumar Yadav
84	19ER1R0096	KURUVA CHANDRIKA	K. Chandrika
85	19ER1R0097	MARAM MANASA	M. Manasa
86	19ER1R0099	PALUKURI VICTORIYA NITHYAHASINI	P. Nithya
87	19ER1R00A0	SADURULA LAKSHMI PADMAVATHI	Padmavathi
88	19ER1R00A2	SHAIK MULLA MOHAMMED ABDULLA	Abdulla
89	19ER1R00A3	TELUGU VIJAYA LAKSHMI	T. Vijayalakshmi
90	19ER1R00A4	THAVISHALA SIRISHA	T. Sirisha
91	19ER1R00A5	VANNAREDDYGARI.USHA	V. Usha
92	19ER1R00A6	V KAVYA	V. Kavya
93	19ER1R00A7	T.SUBBARAYUDU	T. Subbarayudu
94	20ER5R0001	Abdul Rehaman	M. Abdul Rehaman
95	20ER5R0002	Arun Prathap	P. Arunprathap

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Recognized U/s 12(f) and 2B of UGC act 1956

Opp: Dupadu RS, N.H-44, Lakshmipuram (Post), Kurnool-518218

E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

Fax: 08518-287618



PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B PHARM	IV year	MID I	2022

NAME OF THE SUBJECT: - instrumental method of analysis SUBJECT CODE: BP 70 1T

Regulation: R19

TIME: FROM 10.30:00 TO 12:00 PM

MAXIMUM MARKS: 30 Marks

I.ANSWER ALL THE FOLLOWING QUESTIONS 2×5=10M

1 draw the Jablonski diagram

2m	1	C705.1	Apply
----	---	--------	-------

2 short notes on spectrophotometric titrations?

2m	1	C705.2	Apply
----	---	--------	-------

3. write principle of electrophoresis?

2m	4	C705.3	remember
----	---	--------	----------

4.what is luminescence and its different types?

2m	2	C705.2	Remember
----	---	--------	----------

5. applications of uv-visible spectroscopy

2m	2	C705.3	remember
----	---	--------	----------

II.ANSWER ANY 1 OF THE FOLLOWING 10×1=10M

6.components in instrumentation of fluorimetry &diagram

10m	2	C705.2	Remember
-----	---	--------	----------

7. methodology, adv,disadv,&applications of adsorption column chromatography?

10m	4	C705.1	Understand
-----	---	--------	------------

III. ANSWER ANY 2 OF THE FOLLOWING

5×2=10M

8.write theory of fluorescence &phosphorescence spectroscopy?

5m	2	C705.2	Apply
----	---	--------	-------

9. explain beers lamberts law and its derivation?

5m	1	C705.3	Apply
----	---	--------	-------

5m	1	C705.2	remember
----	---	--------	----------

S. Suman



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10.principle, methodology, applications of ion-exchange chromatography?

PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B PHARM	IV year	MID I	2022

NAME OF THE SUBJECT: - industrial pharmacy SUBJECT CODE: BP 70 2T

Regulation: R19

TIME: FROM 10.30:00 TO 12:00 PM

MAXIMUM MARKS: 30 Marks

I.ANSWER ALL THE FOLLOWING QUESTIONS 2×5=10M

1 what is out of specification

2m	4	C702.1	Remember
----	---	--------	----------

2 describe change control

2m	4	C702.1	Remember
----	---	--------	----------

3. what are contributions of NABL towards quality management

2m	4	C702.3	Apply
----	---	--------	-------

4.describe GLP

2m	4	C702.1	Apply
2m	1	C702.2	apply

5. significance of pilot plant scale up techniques

II.ANSWER ANY 1 OF THE FOLLOWING 10×1=10M

6.write about ISO9000 &ISO14000

10m	4	C702.3	Apply
10m	1	C702.2	apply

7. write about SUPAC guidelines

III. ANSWER ANY 2 OF THE FOLLOWING

5×2=10M

8.explain about pilot plant scale up considerations for solids

5m	1	C702.3	understand
5m	4	C702.1	analyze

9. explain a) platform technology b) six sigma concept

5m	4	C702.2	apply
----	---	--------	-------

10.explain a) total quality management b)QBD

S. Subbarama



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PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B PHARM	IV year	MID I	15.11.22

NAME OF THE SUBJECT: - pharmacy practice SUBJECT CODE: BP 70 3T

Regulation: R19

TIME: FROM 10.30:00 TO 12:00 PM

MAXIMUM MARKS: 30 Marks

ANSWER ALL THE FOLLOWING QUESTIONS 2×5=10M

1 define a) hospital

2m	1	C703.1	Remember
----	---	--------	----------

b) adverse drug reaction

2m	1	C703.1	Apply
----	---	--------	-------

c) drug interaction

2m	1	C703.1	Apply
----	---	--------	-------

d) medication adherence

2m	2	C703.3	Remember
----	---	--------	----------

e) mention the medical staff involved in hospital

2m	2	C703.2	Apply
----	---	--------	-------

II. ANSWER ANY 1 OF THE FOLLOWING 10×1=10M

2) explain patient medication history interview?

10m	2	C703.3	Understand
-----	---	--------	------------

3) explain drug distribution system in hospital?

10m	2	C703.1	Apply
-----	---	--------	-------

III. ANSWER ANY 2 OF THE FOLLOWING

5×2=10M

4) explain organization and functions of hospital pharmacy?

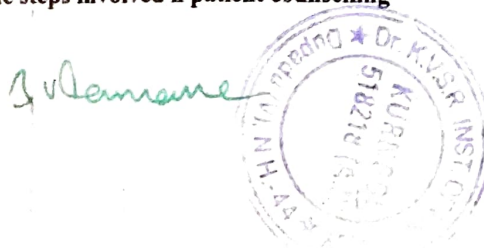
5m	1	C703.1	Apply
----	---	--------	-------

5) explain need and factors affecting TDM?

5m	2	C703.2	Analyze
----	---	--------	---------

6) define patient counselling and explain the steps involved in patient counselling

5m	3	C703.3	Remember
----	---	--------	----------





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E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

Fax: 08518-287618

PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B PHARM	IV year	MID I	15.11.22

NAME OF THE SUBJECT: - NOVEL DRUG DELIVERY SYSTEM SUBJECT CODE: BP 70

Regulation: R19

TIME: FROM 10.30:00 TO 12:00 PM

I.ANSWER ALL THE FOLLOWING QUESTIONS

MAXIMUM MARKS: 30 Marks
2×5=10M

1.a) physicochemical properties of controlled dds?

2 M	Unit I	C704.2	evaluating
-----	--------	--------	------------

B) Define polymers and their uses?

2M	Unit I	C 704.2	Remembering
----	--------	---------	-------------

C) define nanoparticles and niosomes?

2M	Unit IV	C704.4	Remembering
----	---------	--------	-------------

D) applications of polymers?

2M	Unit I	C704.2	Applying
----	--------	--------	----------

II.ANSWER ANY 1 OF THE FOLLOWING 10×1=10M

2. explain in detail about nanoparticles?

10M	Unit IV	C704.4	understandin g
-----	---------	--------	-------------------

10M	UNIT IV	C704.4	Understandin g
-----	---------	--------	-------------------

3.Explain about niosomes?

III. ANSWER ANY 2 OF THE FOLLOWING 5×2=10M

5 M	II uni t	C704. 5	remem g
--------	----------------	------------	------------

4.Define microencapsulation? Explain about air suspension technique?

5 M	UNI T II	C704. 5	an: e
--------	-------------	------------	----------

5.write the principle bioadhesion. Write their advantages and disadvantages?

5M	Unit II	C704.5	applying
----	---------	--------	----------

Signature



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PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B. Pharmacy	IV year IV	Mid I Lab Internal	

NAME OF THE SUBJECT: - Instrumental methods of Analysis SUBJECT CODE: - BPT05P Regulation:

TIME: FROM _____ TO _____ MAXIMUM MARKS: 40

SECTIONS	QUESTIONS	MARKS DISTRIBUTION	MAXIMUM MARKS
SYNOPSIS	1) write the principle & Applications of Partition column chromatography	5	10
	2) write about R _f value & mention the best R _f value for chromatography technique	5	
EXPERIMENTS	major: Separation & Identification of Alkaloids by TLC.	15	15
	minor: To perform the separation of Amino Acids by Paper chromatography	10	10
VIVA/RECORD	VIVA	2 1/2	5 1/2
	RECORD	2 1/2	5 1/2

Sulavamma



INTERNAL EXAMINER

NAME: J. Gopala Krishna,
DESIGNATION & ADDRESS

Associate Professor
Dr. Kvsrip

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IV B Pharm I Semester II Mid Term Examination Time Table

S. No	Date	Morning Session	Afternoon Session
1	21-12-2022	Instrumental Methods of Analysis	Instrumental Methods of Analysis Lab (Section A Batch A)
2	22-12-2022	Industrial Pharmacy -II	Instrumental Methods of Analysis Lab (Section A Batch B)
3	23-12-2022	Pharmacy Praticce	Instrumental Methods of Analysis Lab (Section B Batch A)
4	24-12-2022	NDDS	Instrumental Methods of Analysis Lab (Section B Batch A)

S. V. Suman
Principal



11 mid 19/08/20

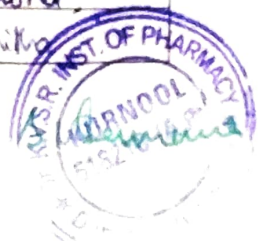
Dr. K. V. Subba Reddy Institute of Pharmacy

B.Pharm IV Year I SEM, ATTENDENCE SHEET SUB: NAD'S

COLLEGE CODE: ER

REG: (R19)

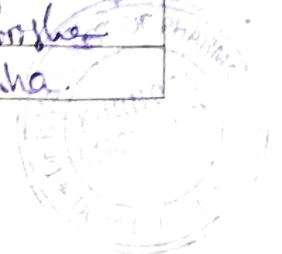
S.NO	H.T.NO	NAME OF THE STUDENT	SIGNATURE
1	19ER1R0001	AKULA SRILATHA	A. Srilatha
2	19ER1R0002	ANUPA SANDEEP KUMAR	A. Sandeep Kumar
3	19ER1R0003	B G AJESWARI	B.G. Ajeshwari
4	19ER1R0004	B SUPRIYA BAI	B. Supriya Bai
5	19ER1R0005	BARSARI SARITHA	B. Saritha
6	19ER1R0006	BHOOME POONAM SAI	B. Poonam Sai
7	19ER1R0007	BOYA SAI DIVYA	B. Sai Divya
8	19ER1R0008	BYDEDINNE VINOD KUMAR	B. Vinod Kumar
9	19ER1R0009	CHATAKONDA SRI LASYA	C. Sri Lasya
10	19ER1R0010	CHIDIGE SANDHYA	Sandhya
11	19ER1R0011	DASARI SREYA REDDY	D. Sreya Reddy
12	19ER1R0012	DEREDDY MANJUSHA	D. Manjusha
13	19ER1R0013	DESAM KRISHNA PRIYA	D. Krishna Priya
14	19ER1R0014	DONGAKARI YAMUNA BAI	D. Yamuna Bai
15	19ER1R0016	GANGUGA HARISHA	G. Harisha
16	19ER1R0017	GOLLA SIDDU	Golla Siddu
17	19ER1R0018	GUJJULA JAHNAVI	G. Jahnavi
18	19ER1R0019	GURRAM ANITHA	G. Anitha
19	19ER1R0020	KADE GEETHA MOUNIKA	K. Geetha Mounika
20	19ER1R0021	KAMASAMUDRAM SUSHMANTH	K. Sushmanti
21	19ER1R0022	KAMATAM NANDA KISHORE	K. Nanda Kishore
22	19ER1R0024	KASETTY NAVEEN SAI KUMAR	K. Naveen Sai Kumar
23	19ER1R0025	KASIREDDYGARI NAVANEETHA	K. Navaneetha
24	19ER1R0026	KILAL PAVAN KUMAR	K. Pavan Kumar
25	19ER1R0027	KOKKAIHAGARI ANUSHA	K. Anusha
26	19ER1R0028	KONAPURAM HARSHITHA	K. Harshitha



27	19ER1R0029	KOTHAKOTA KEERTHI	K. Keerthi
28	19ER1R0030	KAMMARI HARI KRISHNA	K. Ch. Hari Krishna
29	19ER1R0031	KUMMARI VAISHNAVI	K. Vaishnavi
30	19ER1R0032	KURUVA ANUSHA	K. Anusha
31	19ER1R0033	M MOUNIKA	M. Mounika
32	19ER1R0034	MADIGA KUMARI	M. Kumari
33	19ER1R0036	MARAKATTU GNANESHWAR	M. Gnaneswar
34	19ER1R0037	MARICHARLA JAYASREE	M. Jayasree
35	19ER1R0038	NAIK SAHEDA BEGUM	N. Saheda Begum
36	19ER1R0039	PAGIDI SANJEEVA GUNAVARDHAN	P. Sanjeeva Gunavardhan
37	19ER1R0040	PASALA SAI KEERTHANA	P. Sai Keerthana
38	19ER1R0041	POTHURAJU MALATHI	P. Malathi
39	19ER1R0042	REDDYVARI PRATHIBHA	R. Prathiba
40	19ER1R0043	ROWDURMEEDINTI NAVYA	R. M. Navya
41	19ER1R0044	SAKE HEMA LATHA	S. Hemalatha
42	19ER1R0045	SHAIK AMREEN	S. Amreen
43	19ER1R0046	SHAIK FATHIMA	S. Fathima
44	19ER1R0047	SHAIK NUSRATH	S. Nusrath
45	19ER1R0048	SHAIK AKULA SHAHEEN	S. Akula Shaheen
46	19ER1R0049	SINDHE THIRUPATI	S. Sindhe Thirupati
47	19ER1R0050	SIRASANI SUSHMITHA	S. Sushmitha
48	19ER1R0051	SURYAPOGU SAI HARSHA	S. Sai Harsha
49	19ER1R0052	TALUPULA LAKSHMI NANDANA	T. Lakshmi Nandana
50	19ER1R0053	TAPPETA SWAPNA	T. Swapna
51	19ER1R0054	YASANI SUMAN	Y. Suman
52	19ER1R0055	YETUKURI LIKHITHA	Y. Likhitha
53	19ER1R0056	GOPALAM SURYAKALA	G. Suryakala
54	19ER1R0057	C FARHANA	C. Farhana
55	19ER1R0059	ANGADI PAVAN KUMAR	A. Pavan Kumar
56	19ER1R0060	BIDILA IMAM USSAIN	B. Imam USSAIN
57	19ER1R0061	CHITTIREDDY UDAYA KIRAN REDDY	C. Kiran Reddy
58	19ER1R0062	DHONI NAVEEN KUMAR	D. Naveen Kumar
59	19ER1R0063	EDIGA GIRIJA	E. Girija



60	19ER1R0064	GADDALA PREMALATHA	G. Premalatha
61	19ER1R0066	JYOGI AMRUTHA VARSHINI	J. Amrutha Varshini
62	19ER1R0067	K SRINIVAS NAIK	K. Sreenivas
63	19ER1R0069	KURUVA BHARATHI	K. Bharathi
64	19ER1R0070	MANAM ASHOK KUMAR	M. Ashok
65	19ER1R0071	MANDLA CHANDANA	M. Chandana
66	19ER1R0072	MOKA MOUNIKA	M. Mounika
67	19ER1R0073	MUKKAMALLA ADIL BASHA	M. Adil Basha
68	19ER1R0074	NANDHI MANOJ KUMAR	N. Manoj Kumar
69	19ER1R0076	PICHIGUNTLA MOUNIKA	P. Mounika
70	19ER1R0077	PIJARI ARSHAD	P. Arshad
71	19ER1R0078	PUJARI PEDDA VEERAPPA	P. P. Veerappa
72	19ER1R0079	SANDRA SREELATHA	S. Sree Latha
73	19ER1R0080	SETTIPALLI MADHU SUDHAN REDDY	Madhu Sudhan Reddy
74	19ER1R0081	SHAIK JAVEED AKTHAR	S. Javeed
75	19ER1R0083	SHAIK SANIHA	S. Saniha
76	19ER1R0084	TELUGU SOWJANYA	Sowjanya
77	19ER1R0086	YELLAMADDI PAVAN KALYAN	Y. Pavan Kalyan
78	19ER1R0088	BHUMA MAHENDRA REDDY	B. Mahendra Reddy
79	19ER1R0091	CHITLA SOWMYA	C. Sowmya
80	19ER1R0092	DESAM.MADHURI	D. Madhuri
81	19ER1R0093	KUNCHA MANASA	K. Manasa
82	19ER1R0094	KETHAVARAM RAHAMTHULLA	K. Rahamthulla
83	19ER1R0095	HOKRANE PAVAN KUMAR YADAV	H. Pavan Kumar Yadav
84	19ER1R0096	KURUVA CHANDRIKA	K. Chandrika
85	19ER1R0097	MARAM MANASA	M. Manasa
86	19ER1R0099	PALUKURI VICTORIYA NITHYAHASINI	P. Hasini
87	19ER1R00A0	SADURULA LAKSHMI PADMAVATHI	S. Padmavathi
88	19ER1R00A2	SHAIK MULLA MOHAMMED ABDULLA	M. Abdulla
89	19ER1R00A3	TELUGU VIJAYA LAKSHMI	T. Vijaya Lakshmi
90	19ER1R00A4	THAVISHALA SIRISHA	T. Sirisha
91	19ER1R00A5	VANNAREDDYGARI.USHA	V. Usha



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92	19ER1R00A6	V KAVYA	V Kavya
93	19ER1R00A7	T.SUBBARAYUDU	T. Subbarayudu
94	20ER5R0001	ABDUL RAHIMAN	Abdulrahiman
95	20ER5R0002	ARIN PRATHAP	Arin prathap



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10. define quenching? & its various types?

PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B PHARM	IV year	MID II	2022

NAME OF THE SUBJECT: - instrumental method of analysis SUBJECT CODE: BP 70 1T

Regulation: R19

TIME: FROM 10.30:00 TO 12:00 PM

MAXIMUM MARKS: 30 Marks

ANSWER ALL THE FOLLOWING QUESTIONS 2×5=10M

1 different modes of vibrations in IR?

2m	2	C705.2	Apply
----	---	--------	-------

2 detectors used in gas chromatography?

2m	5	C705.3	Apply
----	---	--------	-------

3. difference between normal phase and reverse phase?

2m	3	C705.2	Remember
----	---	--------	----------

4. principle of flame photometry?

2m	2	C705.1	Remember
----	---	--------	----------

5. short note on affinity chromatography?

2m	5	C705.3	Apply
----	---	--------	-------

II. ANSWER ANY 1 OF THE FOLLOWING 10×1=10M

6. principle, instrumentation, applications of IR

10m	2	C705.1	Understand
-----	---	--------	------------

7. principle instrumentation and applications of ion-exchange chromatography?

10m	5	C705.3	Understand
-----	---	--------	------------

III. ANSWER ANY 2 OF THE FOLLOWING 5×2=10M

8. short note on nephelo-turbidimetry?

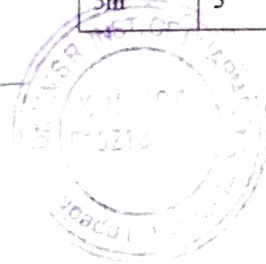
5m	3	C705.2	Apply
----	---	--------	-------

9. discuss about gas-chromatography?

5m	5	C705.2	Understand
----	---	--------	------------

5m	5	C705.3	Understand
----	---	--------	------------

Sobemane



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PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B PHARM	IV year	MID II	2022

NAME OF THE SUBJECT: - industrial pharmacy SUBJECT CODE: BP 70 2T

Regulation: R19

TIME: FROM 10.30:00 TO 12:00 PM

MAXIMUM MARKS: 30 Marks

I.ANSWER ALL THE FOLLOWING QUESTIONS 2×5=10M

1 role of regulatory affair department

2m	3	C702.1	Apply
----	---	--------	-------

2 explain drug development teams

2m	3	C702.3	Remember
----	---	--------	----------

3.define technology transfer

2m	2	C702.3	Remember
----	---	--------	----------

4. Abbreviate APCTD, NRDC, TIFAC, BCIL, TBSE

2m	2	C702.3	Apply
----	---	--------	-------

5. GENERAL CONSIDERATIONS FOR IND

2m	3	C702.1	Apply
----	---	--------	-------

II.ANSWER ANY 1 OF THE FOLLOWING 10×1=10M

6. explain technology transfer from R&D to production

10m	2	C702.2	Understand
-----	---	--------	------------

7. regulatory affair requirement in drug approval relating to non clinical .pharmacology. drug metabolism

10m	3	C702.1	Remember
-----	---	--------	----------

III. ANSWER ANY 2 OF THE FOLLOWING

5×2=10M

8. explain any two approved regulatory bodies

5m	3	C702.2	Remember
----	---	--------	----------

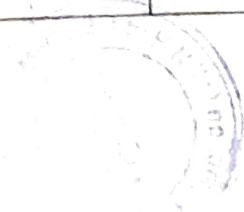
9. describe about granularity of TT

5m	2	C702.3	Apply
----	---	--------	-------

10. explain clinical research protocols

5m	3	C702.2	understand
----	---	--------	------------

S. K. Suman



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PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B PHARM	IV year	MID II	23.12.22

NAME OF THE SUBJECT: - pharmacy practice SUBJECT CODE: BP 70 3T

Regulation: R19

TIME: FROM 10.30:00 TO 12:00 PM

MAXIMUM MARKS: 30 Marks

ANSWER ALL THE FOLLOWING QUESTIONS 2×5=10M

1. define a) budget b) procurement c) purchase d) stocking

2m	4	C703.1	Remember
----	---	--------	----------

2. what is drug store & write its organization?

2m	3	C703.2	Apply
----	---	--------	-------

3. define clinical pharmacy & write functions & responsibilities & clinical pharmacist?

2m	3	C703.6	Understand
----	---	--------	------------

4. define OTC medications with ex?

2m	4	C703.2	Remember
----	---	--------	----------

5. define pharmaceutical care and write its concepts?

2m	4	C703.2	Remember
----	---	--------	----------

II. ANSWER ANY 1 OF THE FOLLOWING 10×1=10M

6. write in detail about investigational use of drugs?

10m	4	C703.4	Understand
-----	---	--------	------------

7. what is inventory control & explain its technique?

10m	4	C703.4	Analyze
-----	---	--------	---------

III. ANSWER ANY 2 OF THE FOLLOWING

5×2=10M

8. write interpretation of clinical laboratory test hematology?

5m	5	C703.5	Apply
----	---	--------	-------

9. write interpretation of urinalysis

5m	5	C703.5	Apply
----	---	--------	-------

10. write purchase order procurement?

5m	4	C703.2	understand
----	---	--------	------------

S. Venkatesh





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6. write the formulation for buccal dds

PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B PHARM	IV year	MIDII	21/12/2022

NAME OF THE SUBJECT: - NOVEL DRUG DELIVERY SYSTEM SUBJECT CODE: BP 70

Regulation: R19

TIME: FROM 10.30:00 TO 12:00 PM

MAXIMUM MARKS: 30 Marks

ANSWER ALL THE FOLLOWING QUESTIONS 2×5=10M

1. a) Define permeation enhancer?

2M	Unit III	C704.3	REMEMBER G
----	----------	--------	---------------

b) Define floating drug delivery system?

2M	Unit III	C704.3	Remember
----	----------	--------	----------

c) Define nasal spray?

2M	Unit III	C704.3	Remember
----	----------	--------	----------

d) what are the factors mainly affecting the permeation?

2M	Unit III	C704.3	Analyze
----	----------	--------	---------

E) Advantages of gastro retention drug delivery system?

2M	Unit III	C704.6	Applying
----	----------	--------	----------

II. ANSWER ANY 1 OF THE FOLLOWING 10×1=10M

2. Explain in detail of ocular drug delivery system?

10M	Unit IV	C704.1	Understand
10M	UNIT IV	C704.6	Understand

3. Explain in detail about intrauterine drug delivery system?

III. ANSWER ANY 2 OF THE FOLLOWING 5×2=10M

4. write the formulation approaches for transdermal delivery system and also basic components?

5M	III	C704.3	Creating
----	-----	--------	----------

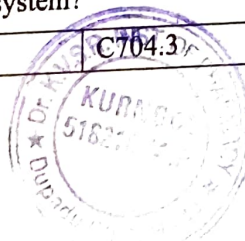
5. Explain about floating high density inflatable system?

5M	III	C704.3	Understand
----	-----	--------	------------

6. write the advantages of gastro retentive drug delivery system and nano retentive drug delivery system?

5M	UNIT III	C704.3	Applying
----	----------	--------	----------

S. Venkatesh



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PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
B. Pharmacy	1 st Year I Sem	Mid - II Lab Exams	

NAME OF THE SUBJECT: Instrumental methods of Analysis SUBJECT CODE: - BP705P Regulation:

TIME: FROM _____ TO _____ MAXIMUM MARKS: 40

SECTIONS	QUESTIONS	MARKS DISTRIBUTION	MAXIMUM MARKS
SYNOPSIS	write the theory of Gas chromatography	5	10m
	what is derivitization, & how temp. programming can be done in Gas chromatography	5	
EXPERIMENTS			
Major	Determine Absorption maxima of paracetamol	15m	15m
Minor	seperate sugars by using TLC	10m	10m
VIVA/RECORD	VIVA	2 1/2	2 1/2
	RECORD	2 1/2	2 1/2

S. Anamana



INTERNAL EXAMINER

NAME: J. Gopala Krishna

DESIGNATION & ADDRESS

Associate Professor

Dr. K. V. S. P.

19

	1- (BP701T) Instrumental Methods of Analysis	2- (BP702T) Industrial Pharmacy - II	3- (BP703T) Pharmacy Practice	4- (BP704T) Novel Drug Delivery System	5- (BP705P) Instrumental Methods of Analysis Lab	6- (BP706PS) Practice School	7- (BP707M) Constitution of India	8- (BP708CV) Comprehensive Viva Voce - VII	Grand Total
19ER1R0001	22	22	24	24	12	20	35	47	206
19ER1R0002	23	22	24	22	13	20	36	46	206
19ER1R0003	23	24	23	24	13	21	38	46	212
19ER1R0004	22	20	22	23	14	20	39	47	207
19ER1R0005	22	23	22	23	12	21	37	46	206
19ER1R0006	21	21	22	22	11	20	38	45	200
19ER1R0007	23	23	24	23	12	21	36	46	208
19ER1R0008	20	17	23	17	10	19	39	38	183
19ER1R0009	22	22	22	22	12	21	35	45	201
19ER1R0010	21	20	17	17	11	20	37	42	185
19ER1R0011	22	23	23	23	12	21	36	46	206
19ER1R0012	24	23	23	24	14	20	38	48	214
19ER1R0013	20	22	23	21	10	19	39	39	193
19ER1R0014	20	14	22	18	9	16	38	36	173
19ER1R0016	23	24	24	23	13	21	37	46	211
19ER1R0017	23	24	24	23	13	22	36	48	213
19ER1R0018	22	23	22	24	12	20	39	44	206
19ER1R0019	21	20	22	24	10	19	35	41	192
19ER1R0020	21	20	22	22	11	20	37	42	195
19ER1R0021	20	14	21	19	11	20	36	41	182
19ER1R0022	20	15	21	17	11	20	38	43	185
19ER1R0024	24	22	24	23	14	22	39	48	216
19ER1R0025	24	21	22	24	13	21	38	48	211
19ER1R0026	21	20	22	22	11	19	37	40	192
19ER1R0027	23	23	23	22	13	19	36	45	204
19ER1R0028	24	22	22	23	14	20	39	48	212
19ER1R0029	22	20	21	24	12	19	35	44	197
19ER1R0030	22	22	24	23	13	22	37	46	209
19ER1R0031	22	22	22	24	12	19	36	46	203
19ER1R0032	23	23	21	23	13	20	38	46	207



 S. V. Venkatesh

19ER1R0033	23	23	23	24	24	74	12	19	36	41	202
19ER1R0034	23	22	23	23	23	20	13	20	39	46	209
19ER1R0036	22	20	22	22	22	18	10	18	37	39	190
19ER1R0037	22	21	22	23	23	20	12	20	35	45	200
19ER1R0038	22	20	23	22	22	19	12	19	36	45	199
19ER1R0039	20	14	20	17	17	18	9	18	39	40	177
19ER1R0040	22	21	23	24	24	19	12	19	37	44	202
19ER1R0041	22	22	24	23	23	19	12	19	35	43	200
19ER1R0042	22	22	24	24	24	19	11	19	35	45	201
19ER1R0043	22	20	23	23	23	19	11	19	36	43	195
19ER1R0044	22	20	22	23	23	20	11	20	38	42	198
19ER1R0045	22	21	22	24	24	19	12	19	39	45	204
19ER1R0046	22	22	22	24	24	20	12	20	36	45	203
19ER1R0047	22	23	24	23	23	20	13	20	39	46	210
19ER1R0048	22	23	23	24	24	20	11	20	37	44	204
19ER1R0049	22	20	20	21	21	20	11	20	35	42	191
19ER1R0050	24	24	23	24	24	21	12	21	36	47	211
19ER1R0051	23	24	24	23	23	22	14	22	38	48	216
19ER1R0052	21	20	21	22	22	19	11	19	36	41	191
19ER1R0053	20	20	22	23	23	19	10	19	39	42	195
19ER1R0054	21	20	20	21	21	20	14	20	35	46	197
19ER1R0055	24	23	23	23	23	20	12	20	37	46	208
19ER1R0056	22	21	22	23	23	19	12	19	36	45	200
19ER1R0057	21	21	21	21	21	18	10	18	39	40	191
19ER1R0059	21	20	23	21	21	18	11	18	36	39	189
19ER1R0060	20	18	21	17	17	17	9	17	37	37	176
19ER1R0061	19	18	21	17	17	17	9	17	35	37	173
19ER1R0062	18	19	21	17	17	16	8	16	36	36	171
19ER1R0063	22	21	22	23	23	19	12	19	38	44	201
19ER1R0064	21	20	21	23	23	20	11	20	39	43	198
19ER1R0066	20	20	24	23	23	18	11	18	36	42	194
19ER1R0067	22	21	21	22	22	19	12	19	39	42	198
19ER1R0069	22	20	22	24	24	18	13	18	35	45	199
19ER1R0070	21	20	23	20	20	18	11	18	36	40	189
19ER1R0071	22	21	22	23	23	19	13	19	37	45	202
19ER1R0072	20	20	21	20	20	18	10	18	38	41	188
19ER1R0073	19	20	22	21	21	17	11	17	36	40	186
19ER1R0074	19	20	22	21	21	18	11	18	39	41	191
19ER1R0076	24	24	24	23	23	21	14	21	37	47	214

19ER1R0077	20	15	21	18	9	18	36	40	177
19ER1R0078	21	18	21	22	10	18	36	39	185
19ER1R0079	22	22	22	23	12	18	39	44	202
19ER1R0080	22	22	24	22	12	18	37	45	202
19ER1R0081	19	17	22	19	8	16	36	36	173
19ER1R0083	22	20	21	23	12	18	35	44	195
19ER1R0084	20	18	16	17	8	18	36	40	173
19ER1R0086	18	18	18	17	7	15	38	35	166
19ER1R0088	20	15	22	18	8	15	39	35	172
19ER1R0091	22	20	23	23	13	19	36	45	201
19ER1R0092	22	20	22	23	11	18	39	43	198
19ER1R0093	23	22	22	23	12	18	37	45	202
19ER1R0094	19	18	23	20	10	17	35	40	182
19ER1R0095	21	21	22	22	12	19	36	46	199
19ER1R0096	19	18	20	23	10	17	37	40	184
19ER1R0097	23	20	22	23	13	17	36	45	199
19ER1R0099	22	22	24	23	12	18	39	45	205
19ER1R00A0	20	19	22	23	11	17	37	42	191
19ER1R00A2	20	17	21	18	10	21	36	40	183
19ER1R00A3	23	24	24	24	13	20	36	47	211
19ER1R00A4	23	22	20	23	12	18	39	44	201
19ER1R00A5	22	22	22	24	13	19	36	45	203
19ER1R00A6	24	23	22	21	13	19	37	46	205
19ER1R00A7	22	15	22	19	10	16	35	39	178
20ER5R0001	21	15	22	23	11	18	36	42	188
20ER5R0002	21	18	24	22	10	17	38	41	191

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515002, A.P (INDIA)

Academic Calendar (2022-23)

For

Pharm.D V Year (for 2018 admitted batch)

Commencement of class work	27.06.2022 (Monday)	
I Spell of Instructions :	27.06.2022 to 30.07.2022	(05 Weeks)
I Mid - term Examinations	01.08.2022 to 03.08.2022	(03 Days)
II Spell of Instructions :	04.08.2022 to 03.09.2022	(04 Weeks)
II Mid - term Examinations :	05.09.2022 to 07.09.2022	(03 Days)
III Spell of Instructions :	08.09.2022 to 12.10.2022	(04 Weeks)
III Mid - term Examinations	13.10.2022 to 15.10.2022	(03 Days)
Project Work	17.10.2022 to 01.04.2023	(24 Weeks)
Preparation and Project Viva Voce Examinations	03.04.2023 to 15.04.2023	(09 Days)
End Examinations :	17.04.2023 to 24.04.2023	(06 Days)
Summer Vacation	25.04.2023 to 31.05.2023	(05½ Weeks)

Note:

The mid - term examinations are to be conducted as per the schedule given.

Date: 06.06.2022

Digitally signed by KESHAVA REDDY
EDDULA
Date: 2022.06.06 14:51:51 +05'30'
DIRECTOR OF EVALUATION

Keshava Reddy



Dr. K. V. SUBBA REDDY INSTITUTE OF PHARMACY

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Anantapuramu,



MoU with Government General Hospital, KMC, Kurnool)

Opp: Dupadu RS, N.H-44, Lakshmipuram (Post), Kurnool-518218

E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

Fax: 08518-220094

Pharm D 5-Year (2022-2023)

Time table For First Mid Examinations

S.NO	DATE	10:00AM -12:00PM
1	01.08.2022	Clinical Research
2	02.08.2022	Pharmacoepidemiology&Pharmacoeconomics
3	03.08.2022	Clinical pharmacokinetics &Pharmacotherapeutics Drug Monitoring

S. Subbanna
PRINCIPAL *01/08/22*



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E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

Fax: 08518-287618



V Pharm D Mid Theory/ Practical Examination Attendance sheet

Subject PEPE

SNO	H.T.NO	STUDENT NAME	Attendance sheet
1	18ERIT0001	Boya Ramadevi	Ramadevi
2	18ERIT0002	Gangireddy Veera Sai	Velashini
3	18ERIT0003	Ganta Ediga Likitha	G. E. Likitha
4	18ERIT0004	Jakka Divyasree	Divy sree
5	18ERIT0005	Juturu Hemalatha	Hemalatha
6	18ERIT0006	Kampamalla Shanmuka	Shanmukh
7	18ERIT0007	Munagala Mani prasanna	Mani prasanna
8	18ERIT0008	Munagala Radhika	Radhika
9	18ERIT0009	Murahari Sujana Dora	Sujan
10	18ERIT0010	Pinjari Asma	P. Asma
11	18ERIT0011	Shaik Baba Arshid	Arshid
12	18ERIT0012	Shaik Tahura Batul	Tahura
13	18ERIT0013	Shaik Zuweriya	S. Zuweriya
14	18ERIT0014	Suddamalla Durga Pavitra	Absent
15	18ERIT0015	Sugali Vani	Vani
16	18ERIT0016	Thalikkal Jahnvi	Jahnvi
17	18ERIT0017	Unuguru Joshitha	Absent
18	18ERIT0018	Vajjala Tejaswini	V. Tejaswini
19	18ERIT0019	Vangara Malleshwari	Malleshwari
20	18ERIT0020	Illuru Saikiran	Saikiran
21	18ERIT0021	Jammanzai Zuha khanam	Zuha Khan
22	18ERIT0022	Kamatham Keerthana	Keerthana
23	18ERIT0023	Kammara Divya sirisha	Divya
24	18ERIT0024	Manthugari Praneeth prem	M. Praneeth Prem Paul
25	18ERIT0025	Miskin Saheb Shaik Asma	S. S. Asma
26	18ERIT0026	Peddipalli Rohini Vandana	Rohini
27	18ERIT0027	Pinjari Anwar Basha	Absent
28	18ERIT0028	Ramanadula Vijay Vikas	Absent
29	18ERIT0029	Shaik Sana Afreen	Sana
30	18ERIT0030	Shaik Sanaafreen	S. Sanaafreen
31	18ERIT0026	Shaik Nehal	Absent

B. Ulemann



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E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

Fax: 08518-287618



PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
PHARM D	V year	MID I	20.08.22

NAME OF THE SUBJECT: - PHARMCOEPIDEMIOLOGY AND PHARMCOECONOMICS SUBJECT CODE: 15T00202 Regulation:
R17 TIME: FROM 11.00 AM TO 12:30 PM MAXIMUM MARKS: 30 Marks

I. ANSWER ALL THE FOLLOWING QUESTIONS 2×5=10M

1 Define A) pharmacoepidemiology?

2M	1 unit	C502.2	Remember
----	--------	--------	----------

b) incidence

2M	1unit	C502.1	Remember
----	-------	--------	----------

c) prevalence

2M	2unit	C502.1	Remember
----	-------	--------	----------

d) cumulative incidence

2M	2unit	C502.1	Remember
----	-------	--------	----------

e) incidence density

2M	2unit	C502.1	Remember
----	-------	--------	----------

II. ANSWER ANY 2 OF THE FOLLOWING 2×10=20M

2. a) write needs, aims & applications of pharmacoepidemiology?

10M	1 unit	C502.2	Applying
-----	--------	--------	----------

b) write a note on origin & evolution of pharmacoepidemiology?

3. write in detail about the drug use measures?

10M	1 unit	C502.2	Understand
-----	--------	--------	------------

4. Explain in detail about the medication adherence measurement

10M	2unit	C502.6	Understand
-----	-------	--------	------------

S. Venkatesh



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MoU with Government General Hospital, KMC, Kurnool)
Opp: Dupadu RS, N.H-44, Lakshmipuram (Post), Kurnool-518218

E-mail: principalkvsrip@gmail.com

Cell: +919177287508, +919704333789

Fax: 08518-220094

Pharm D 5-Year (2022-2023)

Time table For Second Mid Examinations

S.NO	DATE	10:00AM -12:00PM
1	05.09.2022	Clinical Research
2	06.09.2022	Pharmacoepidemiology & Pharmacoeconomics
3	07.09.2022	Clinical pharmacokinetics & Pharmacotherapeutics Drug Monitoring

S. S. Srinivas
PRINCIPAL 26/5/22



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MoU with Government General Hospital, KMC, Kurnool)

Opp: Dupadu RS, N.H-44, Lakshminipuram (Post), Kurnool 518218

E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

Fax: 08518-287618



V Pharm D Mid Theory/ Practical Examination Attendance sheet

Subject *PER*

SNO	H.T.NO	STUDENT NAME	Attendance sheet
1	18ERIT0001	Boya Ramadevi	<i>Ramadevi</i>
2	18ERIT0002	Gangireddy Veera Sai	<i>Veera Sai</i>
3	18ERIT0003	Ganta Ediga Likitha	<i>G. E. Likitha</i>
4	18ERIT0004	Jakka Divyasree	<i>Divya sree</i>
5	18ERIT0005	Juturu Hemalatha	<i>Hemalatha</i>
6	18ERIT0006	Kampamalla Shanmuka	<i>Shanmukh.</i>
7	18ERIT0007	Munagala Maniprasanna	<i>mani prasanna</i>
8	18ERIT0008	Munagala Radhika	<i>Radhika</i>
9	18ERIT0009	Murahari Sujana Dora	<i>Sujan</i>
10	18ERIT0010	Pinjari Asma	<i>Asma</i>
11	18ERIT0011	Shaik Baba Arshid	<i>Arshid</i>
12	18ERIT0012	Shaik Tahura Batul	<i>Batul</i>
13	18ERIT0013	Shaik Zuweriya	<i>Absent</i>
14	18ERIT0014	Suddamalla Durga Pavitra	<i>S. Durga pavitra.</i>
15	18ERIT0015	Sugali Vani	<i>Absent</i>
16	18ERIT0016	Thalikkal Jahnvi	<i>T. Jahnvi</i>
17	18ERIT0017	Unuguru Joshitha	<i>V. Joshitha</i>
18	18ERIT0018	Vajjala Tejaswini	<i>Absent</i>
19	18ERIT0019	Vangara Malleshwari	<i>Malleshwari</i>
20	18ERIT0020	Illuru Saikiran	<i>Saikiran.</i>
21	18ERIT0021	Jammanzai Zuha khanam	<i>Zuha Khanam</i>
22	18ERIT0022	Kamatham Keerthana	<i>Keerthana</i>
23	18ERIT0023	Kammara Divya sirisha	<i>Divya sirisha</i>
24	18ERIT0024	Manthugani Praneeth prem	<i>Praneeth</i>
25	18ERIT0025	Miskin Saneb Shaik Asma	<i>M.S. Asma</i>
26	18ERIT0026	Peddipalli Rohini Vandana	<i>Rohini vandana</i>
27	18ERIT0027	Pinjari Anwar Basha	<i>P. Anwar Basha</i>
28	18ERIT0028	Ramanadula Vijay Vikas	<i>R. Vijay Vikas.</i>
29	18ERIT0029	Shaik Sana Afreen	<i>Sana Afreen</i>
30	18ERIT0030	Shaik Sanafreen	<i>Sana Afreen</i>
31	17ERIT0026	Shaik Nehal	<i>S. Nehal</i>



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Opp. Dupadu RS, N H-44, Lakshmapuram (Post), Kurnool-518218

E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

Fax: 08518-287618

PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
PHARM D	V year	MID II	23.09.22

NAME OF THE SUBJECT: - PHARMCOEPIDEMIOLOGY AND PHARMACOECONOMICS SUBJECT CODE: 15T00202 Regulation: R17 TIME: FROM 11.00 AM TO 12.30 PM

MAXIMUM MARKS: 30 Marks

ANSWER ALL THE FOLLOWING QUESTIONS 2*5=10M

1. Define a) case report

2M	2	C502.1	Apply
----	---	--------	-------

b) case series?

2M	3	C502.2	Apply
----	---	--------	-------

c) hospital pharmacoepidemiology?

2M	3	C502.1	Apply
----	---	--------	-------

d) case control studies?

2M	3	C502.3	Apply
----	---	--------	-------

2M	4	C502.1	apply
----	---	--------	-------

e) case cohort studies?

ANSWER ANY 2 OF THE FOLLOWING 2*10=20M

2. Write a note on PEM?

10M	3	C502.6	understand
-----	---	--------	------------

3. Write in detail about record linkage studies?

10M	2	C502.4	Understand
-----	---	--------	------------

S. Venkatesh



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E-mail: principalkvsrip@gmail.com

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Fax: 08518-220094

Pharm D 5-Year (2022-2023)

Time table For Third Mid Examinations

S.NO	DATE	10:00AM -12:00PM
1	13.10.2022	Clinical Research
2	14.10.2022	Pharmacoepidemiology & Pharmacoeconomics
3	15.10.2022	Clinical pharmacokinetics & Pharmacotherapeutics Drug Monitoring

B. V. Ramana
PRINCIPAL 12/10/22



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E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

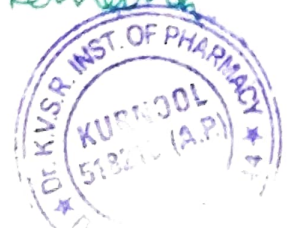
Fax: 08518-287618

V Pharm D Mid Theory/ Practical Examination Attendance sheet

Subject: PEPE

SNO	H.T.NO	STUDENT NAME	Attendance sheet
1	18ERIT0001	Boya Ramadevi	Absent
2	18ERIT0002	Gangireddy Veera Sai	Absent
3	18ERIT0003	Ganta Ediga Likitha	G. E. Likitha
4	18ERIT0004	Jakka Divyasree	Absent
5	18ERIT0005	Juturu Hemalatha	Absent
6	18ERIT0006	Kampamalla Shanmuka	Absent
7	18ERIT0007	Munagala Maniprasanna	Mani prasanna
8	18ERIT0008	Munagala Radhika	Radhika
9	18ERIT0009	Murahari Sujana Dora	Absent
10	18ERIT0010	Pinjari Asma	P. Asma
11	18ERIT0011	Shaik Baba Arshid	Absent
12	18ERIT0012	Shaik Tahura Batul	Tahura
13	18ERIT0013	Shaik Zuweriya	Zuweriya
14	18ERIT0014	Suddamalla Durga Pavitra	S. Durgapavitra
15	18ERIT0015	Sugali Vani	S. Vani
16	18ERIT0016	Thalikkal Jahnavi	T. Jahnavi
17	18ERIT0017	Unuguru Joshitha	U. Joshitha
18	18ERIT0018	Vajjala Tejaswini	V. Tejaswini
19	18ERIT0019	Vangara Malleshwari	M. V.
20	18ERIT0020	Illuru Saikiran	Absent
21	18ERIT0021	Jammanzai Zuha khanam	Zuha Khanam
22	18ERIT0022	Kamatham Keerthana	Absent
23	18ERIT0023	Kammara Divya sirisha	D. Sirisha
24	18ERIT0024	Manthugari Praneeth prem	M. Praneeth Prem
25	18ERIT0025	Miskin Saheb Shaik Asma	M. S. Asma
26	18ERIT0026	Peddipalli Rohini Vandana	P. Vandana
27	18ERIT0027	Pinjari Anwar Basha	P. Anwar Basha
28	18ERIT0028	Ramanadula Vijay Vikas	R. Vikas
29	18ERIT0029	Shaik Sana Afreen	S. Afreen
30	18ERIT0030	Shaik Sanafreen	S. Sanafreen
31	17ERIT0026	Shaik Nehal	S. Nehal

S. K. S. K.



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Opp Dupadu RS, NH-44, Lakshimpuram (Post), Kurnool-518218

3. PROGRAM	YEAR/SEM/BATCH	EXAMINATION	DATE
PHARM D	Cell: +919440282184, +919704333789 V year	Fax: 08518-287618 MID III	02/02/23

NAME OF THE SUBJECT: - PHARMCOEPIDEMIOLOGY AND PHARMACOECONOMICS SUBJECT CODE: 15T00202 Regulation:

R17 TIME: FROM 11.00 AM TO 12:30 PM

MAXIMUM MARKS: 30 Marks

ANSWER ALL THE FOLLOWING QUESTIONS 2×5=10M

1a) write in detail about pharmacoeconomics?

2M	UNIT IV	C502.5	understand
----	---------	--------	------------

b) write in detail about pharmacoeconomic evaluation methods?

2M	UNIT IV	C502.5	understand
----	---------	--------	------------

c) write down the types of pharmaceconomic evaluation?

2M	UNIT III	C502.6	Apply
----	----------	--------	-------

d) what are various factors involved in pharmacoeconomic evaluation?

2M	UNIT IV	C502.2	Apply
----	---------	--------	-------

e) define cost? Write the types of cost with their significance?

2M	UNIT V	C502.5	Remember
----	--------	--------	----------

ANSWER ANY 2 OF THE FOLLOWING 2×10=20M

2. write in detail about pharmacoeconomic?

10M	UNIT V	C502.5	understand
-----	--------	--------	------------

3. write in detail about pharmacoeconomic evaluation methods?

10M	UNIT IV	C502.6	Evaluate
-----	---------	--------	----------

4. explain in detail about pharmacoeconomic applications:

10M	UNIT IV	C502.4	Apply
-----	---------	--------	-------

software and case studies?



Dr. K. V. SUBBA REDDY INSTITUTE OF PHARMACY

(Approved by AICTE & PCI New Delhi, Permanent Affiliated to JNTU Anantapur, Anantapuramu,

MoU with Government General Hospital, KMC, Kurnool)

Opp: Dupadu RS, N.H-44, Lakshmipuram (Post), Kurnool-518218

E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

Fax: 08518-287618



V Pharm D Mid Theory/ Practical Examination Marks sheet

SNO	H.T.NO	STUDENT NAME	Mid-I	Mid-II	Mid-III	Avg
1	18ER1T0001	Boya Ramadevi	28	29	AB	29
2	18ER1T0002	Gangireddy Veera Sai	28	29	AB	29
3	18ER1T0003	Ganta Ediga Likitha	15	27	25	26
4	18ER1T0004	Jakka Divyasree	28	29	AB	29
5	18ER1T0005	Juturu Hemalatha	25	27	AB	26
6	18ER1T0006	Kampamalla Shanmuka	28	29	AB	29
7	18ER1T0007	Munagala Maniprasanna	26	29	29	29
8	18ER1T0008	Munagala Radhika	27	28	28	28
9	18ER1T0009	Murahari Sujana Dora	27	28	AB	28
10	18ER1T0010	Pinjari Asma	25	28	28	28
11	18ER1T0011	Shaik Baba Arshid	27	28	AB	28
12	18ER1T0012	Shaik Tahura Batul	25	28	28	28
13	18ER1T0013	Shaik Zuweriya	24	AB	28	26
14	18ER1T0014	Suddamalla Durga Pavitra	AB	27	27	27
15	18ER1T0015	Sugali Vani	24	28	27	28
16	18ER1T0016	Thalikkal Jahnvi	11	27	28	28
17	18ER1T0017	Unuguru Joshitha	AB	29	28	29
18	18ER1T0018	Vajjala Tejaswini	26	AB	27	27
19	18ER1T0019	Vangara Malleshwari	24	28	28	28
20	18ER1T0020	Illuru Saikiran	27	28	AB	27
21	18ER1T0021	Jammanzai Zuha khanam	25	28	28	28
22	18ER1T0022	Kamatham Keerthana	26	28	AB	27
23	18ER1T0023	Kammara Divya sirisha	26	28	28	28
24	18ER1T0024	Manthugari Praneeth prem	27	27	27	27
25	18ER1T0025	Miskin Saheb Shaik Asma	27	28	28	28
26	18ER1T0026	Peddipalli Rohini Vandana	26	27	26	27
27	18ER1T0027	Pinjari Anwar Basha	AB	27	28	28
28	18ER1T0028	Ramanadula Vijay Vikas	AB	28	27	28
29	18ER1T0029	Shaik Sana Afreen	28	29	29	29
30	18ER1T0030	Shaik Sanafreen	28	29	28	29
31	17ER1T0026	Shaik Nehal	AB	27	25	26





JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515002, A.P (INDIA)

ACADEMIC CALENDAR

for

Academic Year 2022-23

M. Tech/M. Pharm

III & IV Semester

(For 2021-22 admitted batches)

III Semester		
I spell of Instructions:	07.11.2022 to 31.12.2022	(08 Weeks)
Project/Research work Review- I:	05.12.2022 to 10.12.2022	(01 Week)
I Mid-Term Examinations	02.01.2023 to 03.01.2023	(02 Days)
II spell of Instructions:	04.01.2023 to 27.02.2023	(08 Weeks)
Project/Research work Review- II:	20.02.2023 to 25.02.2023	(01 Week)
II Mid-Term Examinations	28.02.2023 to 01.03.2023	(02 Days)
End Examinations	02.03.2023 to 04.03.2023	(03 Days)
Commencement of IV semester	06.03.2023 (Monday)	
Declaration of results for III Semesters	23.03.2023	

IV Semester		
Commencement of IV Semester	06.03.2023 (Monday)	
Continuation of Project/ Research Work	06.03.2023 to 08.07.2023	(18 Week)
Project/Research work Review- III:	10.07.2023 to 15.07.2023	(01 Week)
Submission of Project/Research work & Completion of Final Viva Voce	17.07.2023 to 05.08.2023	(03 Week)

Note:

- The mid-term examinations are to be conducted and completed as per the schedule given above.
- For slippage of working days due to any unavoidable reasons, compensation can be made by conducting class work on second Saturdays, Sundays and other holidays, except on National Holidays and important festivals.

Digitally signed by KESHAVA REDDY
EDDULA

Date: Thu Nov 03 17:47:05 IST 2022

Date: 03.11.2022

DIRECTOR OF EVALUATION

[Handwritten Signature]

Dr. K. V. SUBBA REDDY INSTITUTE OF PHARMACY

Approved by AICTE & PCI New Delhi. Affiliated to JNTU Anantapur Anantapuram.
MCI with Government General Hospital, KMC, Kurnool

Opp. Dupadu RS. N H-44 Lakshampuram, Post, Kurnool-518218
E-mail: principal@kvripinpharm.com

Cell: +919440287181 +919794328789

Fax: 08516-287618



M.Pharmacy III Sem I Mid Exam

SUB: RESEARCH METHODOLOGY

MARKS: 30M

Unit	CO	Marks	Cognitive level
1) Define research ? a) Write about Meaning of research problem? b) Write about i) Errors in selecting a research problem. ii) data collection, analysis, interpretation of Research Problems	Unit-1	CM101.1	10M Understand
2) write about a) Effective literature studies approaches. b) Plagiarism	Unit-2	CM101.2	10 Remember
3) Write about a) Paper Developing a Research Proposal b) Format of research proposal.	Unit-3	CM101.2	10M Understand

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Opp: Dupadu RS, N.H-44, Lakshmipuram (Post), Kurnool-518218

E-mail: principalkvsrip@gmail.com

Cell: +919440282181, +919704333789

Fax: 08518 287618

M.Pharmacy III Sem II Mid Exam

Sub: Research Methodology & IPR Marks:30M

1) Write about **Unit CO marks cognitive level**

A) Nature of Patents, Designs, Trade and Copyright?

Unit-5	CM101.5	10M	Remember
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B) Procedure for grants of patents, Patenting under PCT?

2) Write about

a) Scope of Patent Rights

b) a Patent information and databases

C) IPR of Biological Systems

Unit-5	CM101.5	10M	Remember
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3) Write about

a) New Developments in IPR

b) Traditional knowledge Case Studies (Explain any one case study)

Unit-5	CM101.5	10M	Remember
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Dr. K.V. Subba Reddy Institute of Pharmacy

M. Pharm III Sem Mid-term Theory/Practical Examination Marks Sheet
Branch Regulation: R21

Subject Research methodology

S. No	Regd No	Name of the Candidate	Mid-I	Mid-II	Avg
1	21ER1S0301	A.C.SAFREEN	32	33	32
2	21ER1S0302	B SUDHARSHAN REDDY	32	30	32
3	21ER1S0304	D BHARATH NAIK	31	32	32
4	21ER1S0305	G.MEGHANA	32	31	32
5	21ER1S0306	G SIVA PULLAREDDY	30	31	31
6	21ER1S0307	K L VARAPRASAD	31	32	32
7	21ER1S0309	KYABARSI AMRUTHA	32	33	32
8	21ER1S0310	M.DURGA BHAVANI	33	32	32
9	21ER1S0311	PAGIDIMANU SHARATH BABU	33	33	33
10	21ER1S0313	THIMMAPURAM SWETHA	29	31	31


Head of the Department




Staff In Charge



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515 002 (A.P) - INDIA

Examinations Branch

B.Pharmacy IV Year II Semester Regular & Supplementary June/July 2022 Examinations

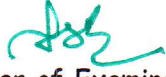
Timetable

Time 10.00 AM to 01.00 PM

Date / Day	R15
29.06.2022 Wednesday	Biostatistics & Design of Experiments 15R00801
01.07.2022 Friday	Intellectual Property Rights 15R00802

NOTE: 1. Any omissions or clashes in this time table may please be informed to the Controller of Examinations immediately.
2. Even if government declares holiday on any of the above dates, the examinations shall be conducted as usual.

Date: 13.06.2022


Controller of Examinations (UG)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
Ananthapuramu-515002(A.P)

OBSERVER'S DIALY REPORT

1. Name of the observer : D. Sateesh Babu
 2. Designation & Address : Assistant professor, St Johns college of Ph Sciences
Yemmiganur
 3. Date of Examination : 29-6-22
 4. Examination for B PHARM : B.Pharm IV-II (RIS) Regular SUPPLY
 5. Name of the College (Exam Center) : DR.K.V Subbarreddy Inst. of Pharmacy
 6. College Code (Exam Center) : ER
 7. Time of receiving password : 9:55am
 8. The paper accessing process Commenced at : 9:56am
 9. Mode of accessing the question papers : i/ii/iii
- JNTUA EMS
- ii) Email : Jntua Ems
 - iii) Others
- If others specify reasons:
10. i) Time taken to access and print the required question papers : 8 mins
 - ii) Indicate number of question paper prints taken : 104
 - iii) Number of candidates registered for examination : 100
11. Exams started at (indicate time) : 10:00am
12. Whether seating plan is prepared and stucked at the Entrance of the room : Yes / No
13. Scripts collected at (Indicate time) : 1:05am
14. Whether the scripts arranged regulations wise & branch wise for packing: Yes / No
15. Whether bundles of the scripts are sealed in the presence of the observer: Yes / No
16. Any other information (specify in detail): -

D. Sateesh Babu
Sat 29-6-22.
Name & Signature of Observer

OBSERVER


Signature of Chief Superintendent Principal

Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL-518218 (A.P)

Note: It is required to take Xerox copy of this diary and use for each examination

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR -
515 002

Name of the Affiliated College	College Code
Dr. K.V. Subba Reddy Institute of Pharmacy: Kurnool	ER

PACKAGING SLIP

DATE: 29-06-2022

- Regulation - Wise & Subject - Wise PACKETS containing Answer Scripts.
- DETAILS OF ANSWER SCRIPTS PACKED AND DISPATCHED TO THE NODAL CENTRE*

Date of Exam	Name of Exam	Subject	No. of Scripts
29-06-2022	B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June/July 2022	BIOSTATISTICS & DESIGN OF EXPERIMENTS (15R00801)	96

- Two copies of each D- Form (regulation-wise and subject-wise).

Total no of D-Forms enclosed: 01

Sat 29-6-22
OBSERVER
OBSERVER

[Signature]
CHIEF SUPERINTENDENT
Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL - 518218 (A P1)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTAPUR-515002(A.P)

'D' Form

B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June

DKVSRIP-KURNOOL

Branch Name: B PHARMACY

Subject Name: BIostatistics & Design of Experiments

17Y01R0034

18KJ1R0004

18KJ1R0016

18Y01R0091

PRINCIPAL

Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-7,
KURNOOL-518218 (A.P.)

Principal

29-06-2022

Sd/-

Controller of Examinations

Sd/-
29-6-22
Observer
OBSERVER

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR,
ANANTHAPURAMU - 515002**

Name of the Affiliated College

College Code

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL

ER

SEATING PLAN

Name Of Exam	B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June/July 2022	Date: 29-06 -2022 10:00 AM TO 01:00 PM
SUBJECT:-	BIOSTATISTICS & DESIGN OF EXPERIMENTS (15R00801)	Hall No:106

HT No.	17Y01R0008	18KJ1R0004	18Y01R0009	18KJ1R0012
HT No.	18ER1R0001	17Y01R0068	18ER1R0021	18Y01R0014
HT No.	18KJ1R0001	18ER1R0008	18KJ1R0006	18ER1R0028
HT No.	17Y01R0034	18KJ1R0005	18Y01R0012	18KJ1R0013
HT No.	18ER1R0003	18Y01R0006	18ER1R0023	18Y01R0015
HT No.	18KJ1R0002	18ER1R0013	18KJ1R0008	18ER1R0031
HT No.	17Y01R0065			

Number of students registered: 25	Number of students Absent: 02	Number of students Present: 23
--	--------------------------------------	---------------------------------------

Note: Cross the box containing the hall ticket number when the candidate is absent

Signature of the Invigilator

P. Prasad Prasad
P. Prasad Prasad
Rikvsp
Assistant Professor

Signature of Chief Superintendent

[Signature]
Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL - 518218 (A P)

HALL WISE ATTENDANCE OF CANDIDATES AND INFORMATION RELATED TO ANSWER BOOKS

Name Of Exam	B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June/July 2022	Date: 29-06-2022 10:00 AM TO 01:00 PM
SUBJECT:- BIOSTATISTICS & DESIGN OF EXPERIMENTS (15R00801)		Hall No:106

S.No	Hall Ticket No	Main Answer Book S.No.	Signature of Candidate
1.	17Y01R0008	211484556 ✓	Ajasha Sumarith
2.	18ER1R0001	211484557 ✓	A. Mani babu.
3.	18KJ1R0001	211484558 ✓	_____
4.	17Y01R0034	Absent	_____
5.	18ER1R0003	211484560 ✓	A. Vandini
6.	18KJ1R0002	211484561 ✓	Prof.
7.	17Y01R0065	211484562 ✓	H. Kundana
8.	18KJ1R0004	Absent	_____
9.	17Y01R0068	211484564 ✓	m. md. Ayyub
10.	18ER1R0008	211484565 ✓	C. Saroja
11.	18KJ1R0005	211484566 ✓	B. Haripriya
12.	18Y01R0006	211484567 ✓	B. R. Kalyan
13.	18ER1R0013	211484568 ✓	C. Mohithi
14.	18Y01R0009	211484569 ✓	B. Govankumar.
15.	18ER1R0021	211484570 ✓	K. Sathish
16.	18KJ1R0006	211484571 ✓	B. Sumathi
17.	18Y01R0012	211484572 ✓	B. M. M. R. P.
18.	18ER1R0023	211484573 ✓	K. Farjana Begum
19.	18KJ1R0008	211484574 ✓	C. Bhargav.
20.	18KJ1R0012	211484575 ✓	D. Sakshi
21.	18Y01R0014	211484576 ✓	B. Anukumari
22.	18ER1R0028	211484551 ✓	M. Sandhya
23.	18KJ1R0013	211484552 ✓	D. Upendra
24.	18Y01R0015	211484553 ✓	B. R. Anand Kumar.
25.	18ER1R0031	211484554 ✓	N. R. S.

Number of students registered 25	Number of students Absent 2	Number of students Present 23
----------------------------------	-----------------------------	-------------------------------

Note: Absentees are rounded in RED ink

P. Priya 29/6/22
Signature of Invigilator
P. Mohana Priya
Dr. K. V. S. R.
Assistant Professor

[Signature] 29/6/22
Signature of Chief Superintendent
Chief Superintendent
Dr. K. V. S. R. Institute of Pharmacy
Opp. Dupadu R.S., N.H-44
KURNOOL - 518218 (A.P.)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR,
ANANTHAPURAMU - 515002**
Name of the Affiliated College

College Code
ER

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL

SEATING PLAN

Name Of Exam	B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June/July 2022	Date: 29-06-2022 10:00 AM TO 01:00 PM
SUBJECT:- BIostatistics & Design of Experiments (15R00801)		Hall No: 107

HT No.	18Y01R0016	18KJ1R0019	18Y01R0027	18KJ1R0030
HT No.	18ER1R0036	18Y01R0019	18ER1R0057	18Y01R0030
HT No.	18KJ1R0016	18ER1R0044	18KJ1R0022	18ER1R0066
HT No.	18Y01R0018	18KJ1R0021	18Y01R0029	18KJ1R0034
HT No.	18ER1R0038	18Y01R0023	18ER1R0064	18Y01R0031
HT No.	18KJ1R0017	18ER1R0051	18KJ1R0028	18ER1R0071
HT No.	18Y01R0032			

Number of students registered: 25	Number of students Absent: 01	Number of students Present: 24
--	--------------------------------------	---------------------------------------

Note: Cross the box containing the hall ticket number when the candidate is absent

[Signature]
Signature of the Invigilator
Dr. S. Rajesh Raja
Assistant Professor
Dr. Kuep

[Signature]
Signature of Chief Superintendent
Chief Superintendent
Dr. K.V.S.P. Institute of Pharmacy
Opp. Anantapur B.S. N.H-44
KURNOOL-518218 (A.P)

Name of the Affiliated College

College Code

Dr. K. V. Subha Reddy Institute of Pharmacy: KURNOOL

ER

HALL WISE ATTENDANCE OF CANDIDATES AND INFORMATION RELATED TO ANSWER BOOKS

Name Of Exam

B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June/July 2022

Date: 29-06-2022

10:00 AM

TO

01:00 PM

Hall No: 107

SUBJECT:- BIOSTATISTICS & DESIGN OF EXPERIMENTS (15R00801)

S.No	Hall Ticket No	Main Answer Book S.No	Signature of Candidate
1.	18Y01R0016	211484501 ✓	B. Bhargavi
2.	18ER1R0036	211484502 ✓	P. Pannevari Prathap
3.	18KJ1R0016	ABSENT	
4.	18Y01R0018	211484504 ✓	C. Pushpavathi
5.	18ER1R0038	211484505 ✓	P. Lalima
6.	18KJ1R0017	211484506 ✓	G. Jagan Chary
7.	18Y01R0032	211484507 ✓	J. Vybhavi
8.	18KJ1R0019	211484508 ✓	G. Anvitha
9.	18Y01R0019	211484509 ✓	C. Sreedevi
10.	18ER1R0044	211484510 ✓	C. Malikharsha
11.	18KJ1R0021	211484511 ✓	G. Sushma
12.	18Y01R0023	211484512 ✓	G. Ranuka
13.	18ER1R0051	211484513 ✓	T. Pooja
14.	18Y01R0027	211484514 ✓	G. Giridhar
15.	18ER1R0057	211484515 ✓	C. Varshitha
16.	18KJ1R0022	211484516 ✓	G. Chaitanya
17.	18Y01R0029	211484517 ✓	G. Trishna
18.	18ER1R0064	211484518 ✓	J. Sunitha
19.	18KJ1R0028	211484519 ✓	K. Sunitha
20.	18KJ1R0030	211484520 ✓	K. Jonaid
21.	18Y01R0030	211484521 ✓	G. Nardini
22.	18ER1R0066	211484522 ✓	P. Harisharan
23.	18KJ1R0034	211484523 ✓	M. Manjatha
24.	18Y01R0031	211484524 ✓	G. Prithvi
25.	18ER1R0071	211484525 ✓	K. Prithvi

Number of students registered: 25 Number of students Absent: 01 Number of students Present: 24

Note: Absentees are rounded in RED ink

Signature of Investigator
 Dr. S. Rajesh Raja
 Assistant Professor
 Dr. KVSP

Signature of Chief Superintendent
 Chief Superintendent
 Dr. K.V.S.R. Institute of Pharmacy
 Opp. Duddu R.S. NH-44
 KURNOOL - 517014 (A.P.)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR,
ANANTHAPURAMU - 515002**
Name of the Affiliated College

College Code

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL

ER

SEATING PLAN

Name Of Exam	B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June/July 2022	Date: 29-06-2022 10:00 AM TO 01:00 PM
SUBJECT:- BIostatistics & Design of Experiments (15R00801)		Hall No: 208

HT No.	18Y01R0035	18KJ1R0043	18Y01R0051	18KJ1R0054
HT No.	18ER1R0076	18Y01R0045	18ER1R0089	18Y01R0056
HT No.	18KJ1R0036	18ER1R0079	18KJ1R0050	18KJ1R0059
HT No.	18Y01R0036	18KJ1R0048	18Y01R0053	18Y01R0057
HT No.	18ER1R0077	18Y01R0046	18ER1R0098	18KJ1R0061
HT No.	18KJ1R0039	18ER1R0081	18KJ1R0053	18Y01R0038
HT No.	18Y01R0059			

Number of students registered 25	Number of students Absent Nil	Number of students Present 25
---	--------------------------------------	--------------------------------------

Note: Cross the box containing the hall ticket number when the candidate is absent

Signature of the Invigilator
B. Akhila
Asst professor,
Dr. KVSP,
Dupadu, Kurnool.

Signature of Chief Superintendent
Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL - 518218 (A.P.)

Name of the Affiliated College

College Code

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL

ER

HALL WISE ATTENDANCE OF CANDIDATES AND INFORMATION RELATED TO ANSWER BOOKS

Name Of Exam

B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June/July 2022

Date: 29-06-2022

10:00 AM

TO

01:00 PM

Hall No: 208

SUBJECT:- **BIostatistics & Design of Experiments (15R00801)**

S.No	Hall Ticket No	Main Answer Book S.No.	Signature of Candidate
1.	18Y01R0035	211484555 ✓	K. Susha
2.	18ER1R0076	211684577 ✓	N. Anitha
3.	18KJ1R0036	211454578 ✓	M. Hemantha
4.	18Y01R0036	211484579 ✓	R. Pragna
5.	18ER1R0077	211484580 ✓	K. Venkateswari
6.	18KJ1R0039	211484581 ✓	M. Pragati
7.	18Y01R0059	211484600 ✓	P. Disha
8.	18KJ1R0043	211454562 ✓	P. Anitha
9.	18Y01R0045	211454550 ✓	M. Prathiba
10.	18ER1R0079	211484584 ✓	M. Vineetha
11.	18KJ1R0048	211454585 ✓	S. H. Raghu
12.	18Y01R0046	211484586 ✓	M. Suhail Parvaz
13.	18ER1R0081	211484587 ✓	N. Lakshmi Kumar
14.	18Y01R0051	211484588 ✓	M. Naveen Reddy
15.	18ER1R0089	211484589 ✓	S. Sohel
16.	18KJ1R0050	211484590 ✓	Shahin
17.	18Y01R0053	211484593 ✓	M. Divya
18.	18ER1R0098	211484592 ✓	V. Vithayalgi
19.	18KJ1R0053	211464591 ✓	S. Mohitha
20.	18KJ1R0054	211484594 ✓	S. Nishad
21.	18Y01R0056	211484595 ✓	N. Anitha
22.	18KJ1R0059	211484596 ✓	Y. Laxmi Lakshmi
23.	18Y01R0057	211484597 ✓	P. Jay Kumar
24.	18KJ1R0061	211484598 ✓	M. Praveen Kumar
25.	18Y01R0038	211424579 ✓	K. Dhara

Number of students registered: 25

Number of students Absent: Nil

Number of students Present: 25

Note: Absentees are rounded in RED ink

Signature of Invigilator
P. Anitha
M. Praveen Kumar
M. Hemantha
K. Susha

Signature of Chief Superintendent
Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL-512219 (A.P.)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR,
ANANTHAPURAMU - 515002**

Name of the Affiliated College

College Code

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL

ER

SEATING PLAN

Name Of Exam	B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June/July 2022	Date: 29-06 -2022 10:00 AM TO 01:00 PM
SUBJECT:- BIostatistics & Design of Experiments (15R00801)		Hall No:210

HT No.

19KJ5R0004

18Y01R0064

18Y01R0088

18Y01R0066

HT No.

18Y01R0063

18Y01R0086

18Y01R0065

~~18Y01R0091~~

HT No.

18Y01R0067

18Y01R0095

18Y01R0074

17Y01R0046

HT No.

18Y01R0093

18Y01R0069

17Y01R0017

18Y01R0075

HT No.

18Y01R0076

17ER1R0008

18Y01R0083

17ER1R0092

HT No.

16ER5R0003

18Y01R0079

17ER1R0018

18Y01R0085

HT No.

17ER5R0002

Number of students registered: 25

Number of students Absent: 01

Number of students Present: 24

Note: Cross the box containing the hall ticket number when the candidate is absent

Signature of the Invigilator

A. Ganey 129/6/22
Assistant Professor
Dr. KVSP.

Signature of Chief Superintendent

[Signature]
Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL-518218 (A.P.)

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL
HALL WISE ATTENDANCE OF CANDIDATES AND
INFORMATION RELATED TO ANSWER BOOKS

Name Of Exam

B.Pharmacy IV Year II Semester (R15) Regular & Supplementary Examinations, June/July 2022

Date: 29-06-2022
 10:00 AM
 TO
 01:00 PM
 Hall No:210

SUBJECT:- BIOSTATISTICS & DESIGN OF EXPERIMENTS (15R00801)

S.No	Hall Ticket No	Main Answer Book S.No.	Signature of Candidate
1.	19KJ5R0004	211484526	K. Anup
2.	18Y01R0063	211484528	R. Sriyidya
3.	18Y01R0067	211484530	S. Indradev.
4.	18Y01R0093	211484533	S. Pragathi
5.	18Y01R0076	211484534	S. Divya
6.	16ER5R0003	211484536	P. Nageswarani
7.	18Y01R0064	211484527	R. Kedara Harmya Sai
8.	18Y01R0086	211484529	V. Kalyani
9.	18Y01R0095	211484531	S. Vamsi
10.	18Y01R0069	211484532	S. Mahesh.
11.	17ER1R0008	211484535	B. Praveen Kumar
12.	18Y01R0079	211484537	S. Sowmi
13.	17ER5R0002	211484538	M. Naveen
14.	18Y01R0088	211484539	V. Suneetha
15.	18Y01R0065	211484541	S. Tarunif.
16.	18Y01R0074	211484542	S. B. Mohammed Ali
17.	17Y01R0017	211484545	Signature
18.	18Y01R0083	211484546	T. Rajkumar
19.	17ER1R0018	211484548	Signature
20.	18Y01R0066	211484540	Signature
21.	18Y01R0091	ABSENT	ABSENT
22.	17Y01R0046	211484543	H. Ganesh
23.	18Y01R0075	211484544	S. Fahima
24.	17ER1R0092	211484547	S. Lakshmi
25.	18Y01R0085	211484549	U. Sangeetha

Number of students registered: 25 Number of students Absent: 01 Number of students Present: 24

Note: Absentees are rounded in RED ink

N. Ganesh
 Signature of Invigilator
 Assistant Professor
 Dr. KVSP

~~Signature~~
 Signature of Chief Superintendent
 Chief Superintendent
 Dr. K.V.S.R. Institute of Pharmacy
 Opp. Dupadu R.S. N.H-44
 KURNOOL-518219 (A.P.)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

ANANTHAPURAMU - 515 002 (A.P.) INDIA.

Examinations Branch

Pharm.D V Year Regular & Supplementary Examinations May 2022

(For 2017 and after 2010 admitted batches only)

Timetable

TIME: 10: 00 AM To 01: 00 PM

Date/Day	For 2017 admitted batches only	For 2016 and after 2010 admitted batches only
16.05.2022 Monday	Pharmacoepidemiology & Pharmacoeconomics 17T00502	Clinical Research 14T00501 / T0850001
18.05.2022 Wednesday	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring 17T00503	Pharmacoepidemiology & Pharmacoeconomics 14T00502 / T0850002
20.05.2022 Friday	Clinical Research 17T00501	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring 14T00503 / T0850003

Note: (i) Any omissions or clashes in this timetable may please be informed to the undersigned immediately.

(ii) Even if government declares holiday on any of the above dates, the examinations shall be conducted as usual.

Date: 18-04-2022


Controller of Examinations (UG)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
Ananthapuramu-515002(A.P)

OBSERVER'S DIALY REPORT

1. Name of the observer : R. Nageswara Rao
2. Designation & Address : Associate Professor, CES college of Pharm
3. Date of Examination : 16-05-2022
4. Examination for M PHARM&PHARM D : M. Pharm & Pharm. D
5. Name of the College (Exam Center) : Dr. K.V. Subba Reddy Institute of Pharmacy
6. College Code (Exam Center) : ER
7. Time of receiving password : 9:44 AM
8. The paper accessing process
Commenced at : 9:45 AM
9. Mode of accessing the question papers : i/ii/iii
i) JNTUA EMS
ii) Email : JNTUA EMS
iii) Others
If others specify reasons:
10. i) Time taken to access and print the required question papers : 32+29 05 min
ii) Indicate number of question paper prints taken : 32+29
iii) Number of candidates registered for examination : 30 28+25
11. Exams started at (indicate time) : 10:00 AM
12. Whether seating plan is prepared and stucked at the Entrance of the room : Yes / No
13. Scripts collected at (Indicate time) : 1:00 PM
14. Whether the scripts arranged regulations wise & branch wise for packing: Yes / No
15. Whether bundles of the scripts are sealed in the presence of the observer: Yes / No
16. Any other information (specify in detail): - Nil

R. Nageswara Rao
Name & Signature of Observer
Nageswara Rao
OBSERVER

B.V. Lennane
Signature of Chief Superintendent/Principal
Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL - 518218 (A.P.)

Note: It is required to take Xerox copy of this diary and use for each examination

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR -

515 002

Name of the Affiliated College	College Code
Dr. K.V. Subba Reddy Institute of Pharmacy: Kurnool	ER

PACKAGING SLIP

DATE: 16-05-2022

(1) Regulation – Wise & Subject –Wise PACKETS containing Answer Scripts.

DETAILS OF ANSWER SCRIPTS PACKED AND DISPATCHED TO THE NODAL CENTRE

Date of Exam	Name of Exam	Subject	No. of Scripts
16-05-2022	Pharm.D V Year (R17) Regular & Supplementary Examinations, May 2022.	PHARMACOEPIDEMOLOGY & PHARMACOECONOMICS(17T00502)	28

(2) Two copies of each D- Form (regulation-wise and subject-wise).

Total no of D-Forms enclosed: 01

Naguri
OBSERVER

2022

B.V. Venkatesh
CHIEF SUPERINTENDENT

Dr. K.V.S.R. Institute of Pharmacy
Opp: Dupadu R.S. N.H-44
KURNOOL - 518218 (A.P.)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTAPUR-515002(A.P)

'D' Form

Pharm.D V Year (R17) Regular & Supplementary Examinations, May 2022.

DKVSRIP-KURNOOL

Observer
Observer
OBSERVER

A. V. K. S. R.
Principal
Principal
Dr. K.V.S.R. Institute of Pharmacy
16-05-2022
Opp. Deapada K.S. N.H-7,
KURNOOL-518218 (A.P.)

Sd/-
Controller of Examinations

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR,
ANANTHAPURAMU - 515002

Name of the Affiliated College

College Code

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL

ER

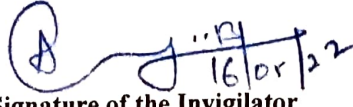
SEATING PLAN


Name Of Exam	Pharm.D V Year (R17) Regular & Supplementary Examinations, May 2022.	Date: 16-05 -2022 10:00 AM TO 01:00 PM
SUBJECT:- PHARMACOEPIDEMIOLOGY & PHARMACOECONOMICS(17T00502)		Hall No:107

HT No.	16Y01T0026	17ER1T0029	17Y01T0006	17Y01T0018
HT No.	17ER1T0004	17Y01T0003	17Y01T0014	17Y01T0009
HT No.	17Y01T0001	17Y01T0004	17Y01T0007	17Y01T0019
HT No.	17Y01T0002	17Y01T0013	17Y01T0017	17Y01T0012
HT No.	17ER1T0027	17Y01T0005	17Y01T0008	17ER1T0023

Number of students registered: 20	Number of students Absent: Zero	Number of students Present: 20
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Note: Cross the box containing the hall ticket number when the candidate is absent


Signature of the Invigilator
(Anna.B)
Asst. professor.


Signature of Chief Superintendent
Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL - 518218 (A P)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR,
ANANTHAPURAMU - 515002

Name of the Affiliated College

College Code

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL

ER

SEATING PLAN

Name Of Exam	Pharm.D V Year (R17) Regular & Supplementary Examinations, May 2022.	Date: 16-05 -2022 10:00 AM TO 01:00 PM
SUBJECT:- PHARMACOEPIDEMIOLGY& PHARMACOECONOMICS(17T00502)		Hall No:110

HT No.	17Y01T0020		17Y01T0024	
HT No.		17Y01T0022		17Y01T0027
HT No.	17Y01T0021		17Y01T0025	
HT No.		17Y01T0023		17Y01T0029

Number of students registered: 8	Number of students Absent: 191	Number of students Present: 8
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Note: Cross the box containing the hall ticket number when the candidate is absent

Signature of the Invigilator

Dr. C. Ponuganti Jeyashwini
Asst professor
KUSPIP

Signature of Chief Superintendent

B.V. Gernane
Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Subbaraj Temple, M. 44
ANANTHAPURAM - 515002 (A.P.)

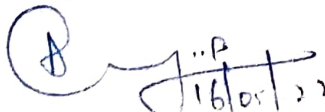
**HALL WISE ATTENDANCE OF CANDIDADES AND
INFORMATION RELATED TO ANSWER BOOKS**


Name Of Exam	Pharm.D V Year (R17) Regular & Supplementary Examinations, May 2022.	Date: 16-05-2022 10:00 AM TO 01:00 PM
SUBJECT:-	PHARMACOEPIDEMIOLOGY & PHARMACOECONOMICS(17T00502)	Hall No:107

S.No	Hall Ticket No	Main Answer Book S.No.	Signature of Candidate
1.	16Y01T0026	211355341	P. Subba
2.	17ER1T0004	211355340	D. Shailaja
3.	17Y01T0001	211355339	B. priyanka
4.	17Y01T0002	211355338	B. Heena
5.	17ER1T0027	211355337	S. Tallem
6.	17ER1T0029	211355336	V. Samyultha
7.	17Y01T0003	211355335	B. Poteethi
8.	17Y01T0004	211355334	B. Sai Sudha
9.	17Y01T0013	211355333	Renu. M.
10.	17Y01T0005	211355332	D. Parik
11.	17Y01T0006	211355331	G. Prathyusha
12.	17Y01T0014	211355330	M. Sal Durga
13.	17Y01T0007	211355329	G. Saigamesh reddy
14.	17Y01T0017	211355328	Murkaithula
15.	17Y01T0008	211355327	G. Gupri
16.	17Y01T0018	211355326	N. Prithika
17.	17Y01T0009	211355325	G. Sarproda
18.	17Y01T0019	211374965	K. I. Lohitha
19.	17Y01T0012	211374968	d. Deepthi
20.	17ER1T0023	211374967	P. Divya
21.			
22.			
23.			
24.			
25.			

Number of students registered: 20 Number of students Absent: nil Number of students Present: 20

Note: Absentees are rounded in RED ink


Signature of Invigilator
(Anand B)
Asst. professor


Signature of Chief Superintendent
Chief Superintendent
Dr. K. V. Subba Reddy Institute of Pharmacy
Opp. Dept. R.S. H. 4-44
KURNOOL-518218 (A.P.)

Name of the Affiliated College

College Code

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL

ER

**HALL WISE ATTENDANCE OF CANDIDATES AND
INFORMATION RELATED TO ANSWER BOOKS**

Name Of Exam	Pharm.D V Year (R17) Regular & Supplementary Examinations, May 2022.	Date: 16-05-2022 10:00 AM TO 01:00 PM
SUBJECT:- PHARMACOEPIDEMIOLOGY & PHARMACOECONOMICS(17T00502)		Hall No:110

S.No	Hall Ticket No	Main Answer Book S.No.	Signature of Candidate
1.	17Y01T0020	211355324	<i>[Signature]</i>
2.	17Y01T0021	211355323	<i>[Signature]</i>
3.	17Y01T0022	211355322	Suppina P
4.	17Y01T0023	211355321	<i>[Signature]</i>
5.	17Y01T0024	211355320	S. Mulheena
6.	17Y01T0025	211355319	S. Anuro
7.	17Y01T0027	211355318	S. V. Lakshmi Devi
8.	17Y01T0029	211355317	<i>[Signature]</i>
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			

Number of students registered: 8	Number of students Absent: Nil	Number of students Present: 8
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Note: Absentees are rounded in RED ink

[Signature]
Signature of Invigilator
Asst. Professor
EUSRP

[Signature]
Signature of Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL-518218 (A PI)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515 002 (A.P.) - INDIA.



Examinations Branch

M.Pharm - III Semester Regular & Supplementary Examinations May 2022
(for students admitted in 2018, 2019 & 2020 only)

Time: 10:00 AM to 01:00 PM

Date /Day	Common to all branches
16.05.2022 Monday	Research Methodology and Biostatistics 17S01301

NOTE:

1. Any clashes / omissions in this time-table may be brought to the notice of the under signed immediately.
2. If the Government declares holiday on any of the above dates, the examinations will be conducted as usual.

Date: 18.04.2022

Controller of Examinations (PG)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
Ananthapuramu-515002(A.P)

OBSERVER'S DIALY REPORT

1. Name of the observer : R. Nagawara Rao
2. Designation & Address : Associate Professor, CES college of Pharm
3. Date of Examination : 16-05-2022
4. Examination for M PHARM&PHARM D : M. Pharm & Pharm-D
5. Name of the College (Exam Center) : Dr. K.V. Subba Reddy Institute of Pharmacy
6. College Code (Exam Center) : ER
7. Time of receiving password : 9:44 AM
8. The paper accessing process Commenced at : 9:45 AM
9. Mode of accessing the question papers : i/ii/iii
10. i) JNTUA EMS : JNTUA EMS
- ii) Email
- iii) Others
- If others specify reasons:
10. i) Time taken to access and print the required question papers : 32+29 05 min
- ii) Indicate number of question paper prints taken : 32+29
- iii) Number of candidates registered for examination : 32 28+25
11. Exams started at (indicate time) : 10:00 AM
12. Whether seating plan is prepared and sticked at the Entrance of the room : Yes / No
13. Scripts collected at (Indicate time) : 1:00 PM
14. Whether the scripts arranged regulations wise & branch wise for packing: Yes / No
15. Whether bundles of the scripts are sealed in the presence of the observer: Yes / No
16. Any other information (specify in detail): - Nil

R. Nagawara Rao
Name & Signature of Observer
Nagar

OBSERVER

B.V. Serrane
Signature of Chief Superintendent/Principal
Chief Superintendent

Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL - 518218 (A.P).

Note: It is required to take Xerox copy of this diary and use for each examination

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR -

515 002

Name of the Affiliated College Dr. K.V. Subba Reddy Institute of Pharmacy: Kurnool	College Code ER
--	---------------------------

PACKAGING SLIP

DATE: 16-05-2022

(1) Regulation – Wise & Subject –Wise PACKETS containing Answer Scripts.
DETAILS OF ANSWER SCRIPTS PACKED AND DISPATCHED TO THE NODAL CENTRE

Date of Exam	Name of Exam	Subject	No. of Scripts
16-05-2022	M.Pharmacy III Semester (R17) Regular & Supplementary Examinations, May 2022.	RESEARCH METHODOLOGY AND BIostatISTICS(17S01301)	23

(2) Two copies of each D- Form (regulation-wise and subject-wise).

Total no of D-Forms enclosed: 01

Nagesh
OBSERVER
OBSERVER

B.V. Gernane
CHIEF SUPERINTENDENT
Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL-518218 (A P).

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR,
ANANTHAPURAMU - 515002**

Name of the Affiliated College

College Code

Dr. K. V. Subba Reddy Institute of Pharmacy: KURNOOL

ER

SEATING PLAN

Name Of Exam	M.Pharmacy III Semester (R17) Regular & Supplementary Examinations, May 2022.	Date: 16-05 -2022 10:00 AM TO 01:00 PM
SUBJECT:- RESEARCH METHODOLOGY AND BIostatISTICS(17S01301)		Hall No:106

HT No.	20Y01S0703	20Q21S0102	20ER1S0708	19ER1S0306
HT No.	20ER1S0311	20ER1S0704	18Y01S0201	20ER1S0304
HT No.	20ER1S0702	20Y01S0106	20ER1S0709	19ER1S0308
HT No.	20Q21S0302	20ER1S0706	18ER1S0301	20ER1S0307
HT No.	20ER1S0703	20Q21S0103	20ER1S0713	19ER1S0310
HT No.	20Y01S0104	20ER1S0707	18ER1S0308	20ER1S0308
HT No.	19Y01S0105			

Number of students registered: 25	Number of students Absent: 02	Number of students Present: 23
-----------------------------------	-------------------------------	--------------------------------

Note: Cross the box containing the hall ticket number when the candidate is absent

N. Ganney
Signature of the Invigilator
Assistant Professor
Dr. KVSP

K.V. Srinivas
Signature of Chief Superintendent

Chief Superintendent
Dr. K.V.S.R. Institute of Pharmacy
Opp. Dupadu R.S. N.H-44
KURNOOL - 518218 (A.P)

HALL WISE ATTENDANCE OF CANDIDATES AND INFORMATION RELATED TO ANSWER BOOKS

Name Of Exam	M.Pharmacy III Semester (R17) Regular & Supplementary Examinations, May 2022.	Date: 16-05-2022 10:00 AM TO 01:00 PM
SUBJECT:- RESEARCH METHODOLOGY AND BIOSTATISTICS(17S01301)		Hall No:106

S.No	Hall Ticket No	Main Answer Book S.No.	Signature of Candidate
1.	20Y01S0703	211365305	K Rami
2.	20ER1S0311	211374993	N. Suresh Kumar
3.	20ER1S0702	211374992	P. Divyanka
4.	20Q21S0302	211374991	T. Vigneshwar
5.	20ER1S0703	211374990	P. Manasa
6.	20Y01S0104	211374989	J. Mustafa
7.	19Y01S0105	211374988	P. Jayashree
8.	20Q21S0102	211374987	S. Divyashree
9.	20ER1S0704	211374986	P. Karthi
10.	20Y01S0106	211374985	V. Rajeswari
11.	20ER1S0706	211374984	G. T. Mounika
12.	20Q21S0103	211374983	S. Anusha
13.	20ER1S0707	211374982	S. Padmaja
14.	20ER1S0708	211374981	G. Anusha
15.	18Y01S0201	211374980	A. Tharani
16.	20ER1S0709	211374979	A. Chaitanya
17.	18ER1S0301	211374978	P. Chandrasekhar
18.	20ER1S0713	211374977	G. Pavan
19.	18ER1S0308	211374976	K. Suresh Kumar Reddy
20.	19ER1S0306	ABSENT	ABSENT
21.	20ER1S0304	211374974	P. Mahesh
22.	19ER1S0308	211374973	S. Pragna Charitha
23.	20ER1S0307	211374972	S. Shikha
24.	19ER1S0310	ABSENT	ABSENT
25.	20ER1S0308	211374970	B. Ram Mohan

Number of students registered: 85	Number of students Absent: 2	Number of students Present: 83
-----------------------------------	------------------------------	--------------------------------

Note: Absentees are rounded in RED ink

N. Ganesh
Signature of Invigilator
Asst. Prof.
Dr. KVSP

S. U. Srinivas
Signature of Chief Superintendent
Chief Superintendent
K. V. S. R. Institute of Pharmacy
K. V. S. R. Institute of Pharmacy
K. V. S. R. Institute of Pharmacy