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SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi – Affiliated to JNTUA, Anantapuramu
NH – 40, Nandyal, Kurnool District, Andhra Pradesh – 518501

2.5 - Evaluation Process and Reforms

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**2.5.1 - Mechanism of internal assessment is
transparent and robust in terms of frequency
and mode AY: 2022-23**

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2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode.

Santhiram College of Pharmacy is affiliated to Jawaharlal Nehru Technological University Anantapur (JNTUA), Andhra Pradesh and hence, follows its rules and guidelines regarding the assessment and evaluation process of performance of students. The same is communicated to the students. The internal assessment is carried out in a systematic manner for theory courses, laboratory courses, seminars, summer internship and project.

Academic calendar is given by university at the beginning of each semester and is made available on the college website and notice-boards of the departments. Thus, students know about the dates of class tests (CT), submission of assignments well in advance and hence, can plan accordingly. The dates and schedule of internal assessment of laboratory courses, seminars, summer internship and project are displayed through the notices to the students well in advance.

For theory sessional assessment the question papers are prepared at the department level with reference to old question paper/question bank/book followed by faculty members.

- Question paper is prepared by individual faculty/ faculty members teaching the same subject.
- Quality of question papers are checked and final question paper is approved by concerned authority.
- Assignments are allocated on weekly basis by faculty teaching the subject and are uploaded on the college portal.
- Answer sheets are evaluated and checked answer sheets are shown to the students.
- Sessional result analysis is discussed at HoD level.
- A comparative evaluation of student's performance is carried out.
- Two internal tests were conducted for B. Pharm & M. Pharm Programmes and three internal tests were conducted for Pharm. D programme.

For assessment of seminars, summer internship and project, faculty coordinator prepares a schedule of presentation of students in slots in consultation with the HoD and is communicated to students. Students present their work or report to the coordinator via PPT mode and evaluated on the basis of various parameter set by respective coordinator.

For assessment of laboratory course an internal practical examination conducted by respective faculty member at the end of course.

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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 I 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]

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.

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

Semester I


Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
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 ^e – I	-	-	-	-	-	-	-
	Total	70/75 ^b /80 [#]	115/125 ^b /130 [#]	23/24 ^b /26 [#] Hrs	185/200 ^b /210 [#]	490/525 ^b /540 [#]	31.5/33 ^b /35 [#] Hrs	675/725 ^b /750 [#]

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

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

* Non University Examination (NUE)

^e 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	Sessional Duration	Total	Marks	Duration	
BP201T	Human Anatomy and Physiology II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP202T	Pharmaceutical Organic Chemistry I – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP203T	Biochemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP204T	Pathophysiology – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP205T	Computer Applications in Pharmacy – Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP206T	Environmental sciences – Theory*	10	15	1 Hr	25	50	2 Hrs	75
BP207P	Human Anatomy and Physiology II – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP208P	Pharmaceutical Organic Chemistry I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP209P	Biochemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
BP210P	Computer Applications in Pharmacy – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
BP211CV	Comprehensive Viva-Voce [†] - II	-	-	-	-	-	-	-
Total		80	125	20 Hrs	205	520	30 Hrs	725

* 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%)


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Semester III

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
BP301T	Pharmaceutical Organic Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP302T	Physical/PharmaceuticsI –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 ^e - III	-	-	-	-	-	-	-
Total		60	100	20	160	440	28Hrs	600

[‡] 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 Marks	Sessional Duration	Marks	Duration	
BP401T	Pharmaceutical Organic Chemistry III – Theory	10	15	1 Hr	75	3 Hrs	100
BP402T	Medicinal Chemistry I – Theory	10	15	1 Hr	75	3 Hrs	100
BP403T	Physical Pharmaceutics II – Theory	10	15	1 Hr	75	3 Hrs	100
BP404T	Pharmacology I – Theory	10	15	1 Hr	75	3 Hrs	100
BP405T	Pharmacognosy I – Theory	10	15	1 Hr	75	3 Hrs	100
BP406P	Medicinal Chemistry I – Practical	5	10	4 Hr	35	4 Hrs	50
BP407P	Physical Pharmaceutics II – Practical	5	10	4 Hrs	35	4 Hrs	50
BP408P	Pharmacology I – Practical	5	10	4 Hrs	35	4 Hrs	50
BP409P	Pharmacognosy I – Practical	5	10	4 Hrs	35	4 Hrs	50
BP410CV	Comprehensive Viva-voce [‡] - IV	-	-	-	-	-	-
Total		70	115	21 Hrs	515	31 Hrs	700
					185		

[‡] Non University Examination (NUE) 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 Exams		Total	Marks	Duration	
			Marks	Duration				
BP501T	Medicinal Chemistry II – Theory	10	15	1 Hr	25	75	3 Hrs	100
BP502T	Industrial PharmacyI– 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 PharmacyI– 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 [†] - V	-	-	-	-	-	-	-
Total		65	105	17 Hr	170	480	27 Hrs	650

[†] 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 Exams		Total	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 VII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			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 [‡] - VII	-	-	-	-	-	-	-
	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%)


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Semester VIII

Course code	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Marks	Sessional 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 Herbals – Theory							
BP807ET	Computer Aided Drug Design – Theory	10 + 10 = 20	15 + 15 = 30	1 + 1 = 2 Hrs	25 + 25 = 50	75 + 75 = 150	3 + 3 = 6 Hrs	100 + 100 = 200
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 [†]	-	-	-	-	-	-	-
BP815CV	Comprehensive Viva-voce [†] - VII	-	-	-	-	-	-	-
Total		40	60	4 Hrs	100	450	16 Hrs	550

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

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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

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

Whoever 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

Re-examination 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.

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)	=	20 x 1	= 20
OR		OR	
Objective Type Questions (10 x 2)	=	10 x 2	= 20
(Answer all the questions)			
II. Long Answers (Answer 2 out of 3)	=	2 x 10	= 20
III. Short Answers (Answer 7 out of 9)	=	7 x 5	= 35

Total	=	75 marks	

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

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:

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

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 AB grade awarded in that semester. For example if a learner has a F or AB grade in course 4, the SGPA shall then be computed as:

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

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.

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
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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

ACADEMIC REGULATIONS FOR B.PHARM (R19)
(LATERAL ENTRY SCHEME)

(Effective for the students getting admitted into II year through Lateral Entry Scheme from the Academic Year 2019-2020 and onwards)

1. Award of B.Pharm Degree

A student admitted in Lateral Entry Scheme (LES) will be declared eligible for the award of the B. Pharm degree if the student fulfills the following academic regulations:

- a) Pursues a course of study for not less than three academic years and not more than six academic years.
- b) A student shall register and put up minimum 157/159^S/160[#] credits and the minimum credit points required for award of a B. Pharm. degree is 156.

* 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.

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

[#]Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.

- c) Students who fail to earn 208 credits as indicated in the course structure within eight academic years from the year of their admission shall forfeit their seat in B.Pharm course and their admission shall stand cancelled

Students, who fail to fulfill the requirement for the award of the degree within six consecutive academic years from the year of admission, shall forfeit their seat.

2. The regulations are to be adopted as that of B. Pharm (Regular).

All other regulations as applicable for B. Pharmacy Four-year degree course (Regular) will hold good for B. Pharm (Lateral Entry Scheme).

**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)**

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

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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


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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 Pharmacoeconomics	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


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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).


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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;


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- (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).


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(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.



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**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 co-operation 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


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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.


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

Academic Regulations of M.Pharmacy (Full Time) Programme

(Effective for the students admitted into 1 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.



- 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:
- Five questions shall be set from each of the five units with either/or type for 12 marks each.
 - All the questions have to be answered compulsorily.
 - 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



M.Pharm. R21 Regulations

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:

- 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.
- 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.
- 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

- 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.
- 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



RULES FOR

DISCIPLINARY ACTION FOR MALPRACTICES / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
	<i>If the candidate:</i>	
1.(a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred for four consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for four consecutive semesters from class work and all University examinations if his involvement is established. Otherwise, the candidate is debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.



M.Pharm. R21 Regulations

4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject only.
6.	Refuses to obey the orders of the Chief Superintendent /Assistant - Superintendent /any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. If the candidate physically assaults the invigilator/ officer-in-charge of the Examinations, then the candidate is also debarred and forfeits his/her seat. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining



M.Pharm. R21 Regulations

		examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person (s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject only or in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester / year examinations, depending on the recommendation of the committee.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action to award suitable punishment.	

1. Malpractices identified by squad or special invigilators
2. Punishments to the candidates as per the above guidelines.
3. Punishment for institutions: (if the squad reports that the college is also involved in encouraging malpractices)
4. A show cause notice shall be issued to the college.
5. Impose a suitable fine on the college.
6. Shifting the examination center from the college to another college for a specific period of not less than one year.

Note:

Whenever the performance of a student is cancelled in any subject/subjects due to Malpractice, he has to register for End Examinations in that subject/subjects consequently and has to fulfil all the norms required for the award of Degree.



SANTHIRAM COLLEGE OF PHARMACY

Approved by AICTE & PCI, New Delhi – Affiliated to JNTUA, Ananthapuramu

An ISO 9001:2015 Certified Institute

NH – 40, Nerawada (Vil & Post), Nandyal – 518112, Nandyal (Dt), District, Andhra Pradesh – India.

Email: srnp07hc@gmail.com ; Mobile: 9866308468

Ref: SRCP/EB/B. Pharm/ MID Exam /Dec-22

Date: 27.12.2022

Dr. C. Madhusudhana Chetty

M.Pharm, Ph.D., MBA

Principal

CIRCULAR

I MID EXAM SCHEDULES:: B. Pharmacy II Year I Sem AY: 2022-23

This is to inform that, the I MID Exams schedules of B. Pharmacy II Year I Sem are as follows for the Academic year: 2022-23.

Timing:- 02.00 PM To 03.30 PM

S. No	Date & Day	Name of the Examination
1	03.01.2023 (Tuesday)	Pharmaceutical Organic Chemistry II (BP301T)
		SR/GMB
2	04.01.2023 (Wednesday)	Physical Pharmaceutics I (BP302T)
		DMR/KB
3	05.01.2023 (Thursday)	Pharmaceutical Microbiology (BP303T)
		NSR/KPK
4	06.01.2023 (Friday)	Pharmaceutical Engineering (BP304T)
		SSP/KSK
5	07.01.2023 (Saturday)	Universal Human Values (19A52301)
		GT/SP

- Note:**
1. All the staff is submit their Question Paper on or before 31.12.2022
 2. All the staff is submit their Answer scripts on or before 16.01.2023
 3. I MID Internal lab Exam schedule for II-I (R19) – after completion of theory exams as per Regular Lab schedule.

Staff	Sign	Staff	Sign
DMR		GMB	
KSK		SP	
KB		SSP	
NSR		SR	
KPK		GT	

Prepared by

Verified by

- CC To: 1. Notice Board
2. Circular file.

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Santhiram College of Pharmacy
NH-40, NANDYAL



SANTHIRAM COLLEGE OF PHARMACY

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NH – 40, Nerawada (Vil & Post), Nandyal – 518112, Nandyal (Dt), District, Andhra Pradesh – India.

Email: srnp07hc@gmail.com ; Mobile: 9866308468

Ref: SRCP/EB/B. Pharm/ MID Exam /Feb-23

Date: 25.02.2023

Dr. C. Madhusudhana Chetty

M.Pharm, Ph.D., MBA

Principal

CIRCULAR

II MID EXAM SCHEDULES:: B. Pharmacy II Year I Sem AY: 2022-23

This is to inform that, the II MID Exams schedules of B. Pharmacy II Year I Sem are as follows for the Academic year: 2022-23.

Timing:- 02.00 PM To 03.30 PM

S. No	Date & Day	Name of the Examination
1	06.03.2023 (Monday)	Pharmaceutical Organic Chemistry II (BP301T) SR/GMB
2	07.03.2023 (Tuesday)	Physical Pharmaceutics I (BP302T) DMR/KB
3	09.03.2023 (Thursday)	Pharmaceutical Microbiology (BP303T) NSR/KPK
4	10.03.2023 (Friday)	Pharmaceutical Engineering (BP304T) KSK
5	13.03.2023 (Monday)	Universal Human Values (19A52301) TS/SP

- Note:** 1. All the staff is submit their **Question Paper** on or before 03.03.2023
2. All the staff is submit their **Answer scripts** on or before 15.03.2023
3. II MID Internal lab Exam schedule for II-I (R19) – 27.02.2023 to 04.03.2023 as per Regular Lab schedule.

Staff	Sign	Staff	Sign
DMR		GMB	
KSK		SP	
KB		SR	
NSR		TS	
KPK			

Prepared by

Verified by

Principal
Santhiram College of Pharmacy
NH-40, NANDYAL

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2. Circular file.



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NH - 40, Nerawada (Vil & Post), Nandyal - 518112, Nandyal (Dt), District, Andhra Pradesh - India.

Email: srecp07hc@gmail.com ; Mobile: 9866308468

Ref: SRCP/EB/B. Pharmacy/ External Lab /March-2023

Date: 25.02.2023

Dr. C. Madhusudhana Chetty

M.Pharm, Ph.D., MBA

Principal

CIRCULAR

EXTERNAL LAB EXAM SCHEDULES:: II-I B. PHARM AY: 2022-23

This is to inform that, the External lab exams schedules of B. Pharmacy II Year I Sem

are as follows for the Academic year: 2022-23:

II-I EXTERNAL LAB SCHEDULES					
Section	Batch	15.03.2023		16.03.2023	
		FN	AN	FN	AN
Sec-A	Batch-A	Pharmaceutical Organic Chemistry II Lab No: 12	Physical Pharmaceutics Lab No:05	Pharmaceutical Microbiology Lab No:03	Pharmaceutical Engineering Lab No:04
	Batch-B	Physical Pharmaceutics Lab No:05	Pharmaceutical Organic Chemistry II Lab No: 12	Pharmaceutical Engineering Lab No:04	Pharmaceutical Microbiology Lab No:03
Sec-B	Batch-A	Pharmaceutical Microbiology Lab No:03	Pharmaceutical Engineering Lab No:04	Pharmaceutical Organic Chemistry II Lab No: 12	Physical Pharmaceutics Lab No:05
	Batch-B	Pharmaceutical Engineering Lab No:04	Pharmaceutical Microbiology Lab No:03	Physical Pharmaceutics Lab No:05	Pharmaceutical Organic Chemistry II Lab No: 12

Note: The staffs are required to arrange their labs as per the requirement

Nam of the Lab	Sec	Internal Examiner	Sign	External Examiner	Sign
Ph. Organic Chemistry II	A	Ms. S. Ruksar	<i>S. Ruksar</i>	Dr. L. Sivasankar Reddy	<i>L. Sivasankar Reddy</i>
	B	Mr. G. Mahaboob Basha			
Physical Pharmaceutics	A	Mr. D. Maheswara Reddy		Dr. A. V. Bhardinath	<i>A. V. Bhardinath</i>
	B	Mr. K. Bharath Kumar	<i>K. Bharath Kumar</i>		
Ph. Microbiology	A	Mr. N. Srinivasa Reddy	<i>N. Srinivasa Reddy</i>	Dr. C. Madhusudhana Chetty	<i>C. Madhusudhana Chetty</i>
	B	Mr. K. Pavan Kumar	<i>K. Pavan Kumar</i>		
Ph. Engineering	A	Mr. K. Sampath Kumar	<i>K. Sampath Kumar</i>	Dr. K. Ravi Kumar	<i>K. Ravi Kumar</i>
	B				

Prepared by

Verified by





















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NH-40, NANDYAL

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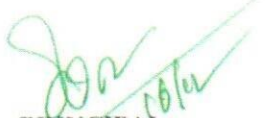
SANTHIRAM COLLEGE OF PHARMACY(HC)
INVIGILATION CHART FOR
B. Pharmacy IV -I MID II Examinations - December-2022

Dt:16.12.2022

S.No	Date	Session	Name of the Invigilator	Signature
1	19.12.2022 (Monday)	AN (02.00 PM - 03.30 PM)	Mrs. S. Parveen	
2			Ms. G. Triveni	
3			Ms. S. Rizwana	
4			Mr. G. Mahaboob Basha	
5	20.12.2022 (Tuesday)	AN (02.00 PM - 03.30 PM)	Mr. R. Nageswara Rao	
6			Mrs. S. Parveen	
7			Mr. B. Venkata Ramana	
8			Mrs. K. Anusha	
9	21.12.2022 (Wednesday)	AN (02.00 PM - 03.30 PM)	Mr. D. Maheswara Reddy	
10			Ms. S. Jyothi Kiranmai	
11			Mr. R. Nageswara Rao	
12			Mr. N. Madana Goopal	
13	22.12.2022 (Thursday)	AN (02.00 PM - 03.30 PM)	Mr. D. Maheswara Reddy	
14			Ms. G. Triveni	
15			Ms. S. Jyothi Kiranmai	
16			Mrs. S. Parveen	
17	23.12.2022 (Friday)	AN (02.00 PM - 03.30 PM)	Mr. K. Pavan Kumar	
18			Mr. K. Sampath Kumar	
19			Mr. S. Venkata Sai Krishna	
20			Mr. N. Madana Goopal	

Note:- 1. Invigilators are instructed that not to carry the mobile phones in the examination halls during invigilation
 2. The staff should show alternative arrangement if they are not available.


 Exam Cell


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 Santhiram College of Pharmacy
 NH-40, Nandyal-518501, A.P.

SANTHIRAM COLLEGE OF PHARMACY, NANDYAL

B. PHARMACY III YEAR II SEM- I MID EXAMINATION APRIL-2023

SUBJECT: HDT (Sec A & B)

CODE: BP603T

Date: 19-04-2023

Time: 90 MIN.

SESSION: AN

Max Marks: 30 Marks

PART - A

Answer All of the following

5X2= 10 M

1. a. Recall herb and herbal medicine.
b. Discuss the law of similars in Homeopathy.
c. Explain the biological sources of amla and chicory as nutraceuticals.
d. Describe the source and constituents of two nutraceuticals used in gastrointestinal diseases.
e. Define perfumes, recall the biological sources of any two natural perfumes.

PART - B

Answer ANY ONE of the following

1x10 = 10 M

2. Define Asavas, discuss in detail about preparation, characteristics, preservation and standardization of Asavas. Give an example for Asavas.
3. Explain the role of nutraceuticals in cancer. Write about Spirulina, and garlic as Nutraceutical foods.

PART - C

Answer ANY TWO of the following

2x5 = 10 M

4. Discuss the drying of herbal raw material.
5. Recall drug-herb interaction. Write the mechanism of herb-drug interactions.
6. Record the biological source, constituents and uses of any two herbal colorants in herbal cosmetics

SANTHIRAM COLLEGE OF PHARMACY, NANDYAL

B. PHARMACY III YEAR II SEM- I MID EXAMINATION APRIL-2023

SUBJECT: HDT (Sec A & B)

CODE: BP603T

Date: 19-04-2023

Time: 90 MIN.

SESSION: AN

Max Marks: 30 Marks

PART - A

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5X2= 10 M

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NH-40, Nandyal-518501, A.P.

SANTHIRAM COLLEGE OF PHARMACY, NANDYAL

B. PHARMACY III YEAR II SEM- II MID EXAMINATION JULY 2023

SUBJECT: Herbal Drug Technology (Sec A & B) CODE: BP603T

Date: 05-07-2023

Time: 90 MIN.

SESSION: AN

Max Marks: 30 Marks

PART - A

Answer All of the following

5X2= 10 M

1. a. Abbreviate WHO and ICH.
b. Define Bio-piracy.
c. Write any two plant-based institutes in India.
d. ASU DCC.
e. Comment on Schedule T.

PART - B

Answer ANY ONE of the following

1x10 = 10 M

2. Write about Schedule T of Herbal drugs, with reference to and surroundings & buildings, buildings, water supply, and raw materials.
3. Write about patenting aspects of traditional knowledge. Discuss the case study of Neem.

PART - C

Answer ANY TWO of the following

2x5 = 10 M

4. What is ASU DTAB, write about constitution and protocols.
5. Write in brief quality and safety guidelines as per ICH.
6. Give a note on plant-based industries based on medicinal and aromatic plants in India.

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PART - C

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SANTHIRAM COLLEGE OF PHARMACY (HC)
MID EXAM ATTENDANCE STATEMENT
III B.Pharm II Sem - SEC-B

II MID Examinations - July - 2023

III B.Pharm II Sem - SEC-B			II MID Examinations - July - 2023					
Name of the Exam:			03.07.2023	04.07.2023	05.07.2023	06.07.2023	07.07.2023	08.07.2023
No	Regd. No	Name of the Student						
1	20HC1R0055	KUKUTLA MANOHAR	K. Manohar	K. Manohar	K. Manohar	K. Manohar	K. Manohar	K. Manohar
2	20HC1R0056	KUMMITHA KIRANMAI	K. Kiranmai	K. Kiranmai	K. Kiranmai	K. Kiranmai	K. Kiranmai	K. Kiranmai
3	20HC1R0057	KUNCHA SUPRAJA	K. Supraja	K. Supraja	K. Supraja	K. Supraja	K. Supraja	K. Supraja
4	20HC1R0058	KUNDA MUDRIKA	K. Mudrika	K. Mudrika	K. Mudrika	K. Mudrika	K. Mudrika	K. Mudrika
5	20HC1R0059	KUVVARAPU RAJ KUMAR	R. Raj Kumar	R. Raj Kumar	R. Raj Kumar	R. Raj Kumar	R. Raj Kumar	R. Raj Kumar
6	20HC1R0060	LAKSHMI CHAITANYA GANDLA	L. Chaitanya	L. Chaitanya	L. Chaitanya	L. Chaitanya	L. Chaitanya	L. Chaitanya
7	20HC1R0061	MADDULA SURYA KIRAN	M. Surya Kiran	M. Surya Kiran	M. Surya Kiran	M. Surya Kiran	M. Surya Kiran	M. Surya Kiran
8	20HC1R0062	METTUPALLE MADHUSUDHAN REDDY	M. Madhusudhan Reddy	M. Madhusudhan Reddy	M. Madhusudhan Reddy	M. Madhusudhan Reddy	M. Madhusudhan Reddy	M. Madhusudhan Reddy
9	20HC1R0063	MIDDE SRAVANI	S. Sravani	S. Sravani	S. Sravani	S. Sravani	S. Sravani	S. Sravani
10	20HC1R0064	MIDHUN M V	M. Midhun M V	M. Midhun M V	M. Midhun M V	M. Midhun M V	M. Midhun M V	M. Midhun M V
11	20HC1R0065	MITTAPALLI PRADIT	M. Pradit	M. Pradit	M. Pradit	M. Pradit	M. Pradit	M. Pradit
12	20HC1R0066	MODULLA RAMACHIRUHASA REDDY	M. Ramachiruhasa Reddy	M. Ramachiruhasa Reddy	M. Ramachiruhasa Reddy	M. Ramachiruhasa Reddy	M. Ramachiruhasa Reddy	M. Ramachiruhasa Reddy
13	20HC1R0067	MOGAL NAFEESA BEGUM	M. Nafeesa Begum	M. Nafeesa Begum	M. Nafeesa Begum	M. Nafeesa Begum	M. Nafeesa Begum	M. Nafeesa Begum
14	20HC1R0068	MULA LAKSHMI DEVI	M. Lakshmi Devi	M. Lakshmi Devi	M. Lakshmi Devi	M. Lakshmi Devi	M. Lakshmi Devi	M. Lakshmi Devi
15	20HC1R0069	MUTTA K GAYATHRI	M. Gayathri	M. Gayathri	M. Gayathri	M. Gayathri	M. Gayathri	M. Gayathri
16	20HC1R0070	MYSORE MOHAMMED ASHRAF	M. Ashraf	M. Ashraf	M. Ashraf	M. Ashraf	M. Ashraf	M. Ashraf
17	20HC1R0071	N ANIL YADAV	N. Anil Yadav	N. Anil Yadav	N. Anil Yadav	N. Anil Yadav	N. Anil Yadav	N. Anil Yadav
18	20HC1R0072	NAYIBRAHMIN SREEVALLY	N. Sreevally	N. Sreevally	N. Sreevally	N. Sreevally	N. Sreevally	N. Sreevally
19	20HC1R0073	NEMALI VENKATESWARA REDDY	N. Venkateswara Reddy	N. Venkateswara Reddy	N. Venkateswara Reddy	N. Venkateswara Reddy	N. Venkateswara Reddy	N. Venkateswara Reddy
20	20HC1R0074	PABBATI OBAIAH	P. Obaiiah	P. Obaiiah	P. Obaiiah	P. Obaiiah	P. Obaiiah	P. Obaiiah
21	20HC1R0075	PASEDDULA VICTOR PAUL	P. Victor Paul	P. Victor Paul	P. Victor Paul	P. Victor Paul	P. Victor Paul	P. Victor Paul
22	20HC1R0076	PASURLA NIKITHA REDDY	P. Nikitha	P. Nikitha	P. Nikitha	P. Nikitha	P. Nikitha	P. Nikitha
23	20HC1R0077	POREDDY BHAVYA SREE	P. Bhavya Sree	P. Bhavya Sree	P. Bhavya Sree	P. Bhavya Sree	P. Bhavya Sree	P. Bhavya Sree
24	20HC1R0078	POTHURU RAGA CHANDANA	P. Raga Chandana	P. Raga Chandana	P. Raga Chandana	P. Raga Chandana	P. Raga Chandana	P. Raga Chandana
25	20HC1R0079	PUNYAMURTHI SAI TEJA	P. Sai Teja	P. Sai Teja	P. Sai Teja	P. Sai Teja	P. Sai Teja	P. Sai Teja
26	20HC1R0080	RATANHAGARI SHAKI SUREEN	R. Shaki Sureen	R. Shaki Sureen	R. Shaki Sureen	R. Shaki Sureen	R. Shaki Sureen	R. Shaki Sureen
27	20HC1R0081	RAMIREDDY HARSHITHA	R. Harshitha	R. Harshitha	R. Harshitha	R. Harshitha	R. Harshitha	R. Harshitha
28	20HC1R0082	RAMPURAM HARISH	R. Harish	R. Harish	R. Harish	R. Harish	R. Harish	R. Harish
29	20HC1R0083	RASAPOGU DHARANI	R. Dharaani	R. Dharaani	R. Dharaani	R. Dharaani	R. Dharaani	R. Dharaani
30	20HC1R0084	S MD HASEENA	S. Haseena	S. Haseena	S. Haseena	S. Haseena	S. Haseena	S. Haseena
31	20HC1R0085	SAIKONDA SREE NIKITHA	S. Nikitha	S. Nikitha	S. Nikitha	S. Nikitha	S. Nikitha	S. Nikitha
32	20HC1R0086	SAREDDY MANOJ KUMAR REDDY	S. Manoj Kumar Reddy	S. Manoj Kumar Reddy	S. Manoj Kumar Reddy	S. Manoj Kumar Reddy	S. Manoj Kumar Reddy	S. Manoj Kumar Reddy

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S.No	Regd. No	Name of the Student	03.07.2023	04.07.2023	05.07.2023	06.07.2023	07.07.2023	08.07.2023
33	20HC1R0087	SASETTY PRASHANTHI	S. Prashanthi	S. Prashanthi	S. Prashanthi	S. Prashanthi	S. Prashanthi	S. Prashanthi
34	20HC1R0088	SEGU SRAVANI	S. S. Sravani	S. S. Sravani	S. S. Sravani	S. S. Sravani	S. S. Sravani	S. S. Sravani
35	20HC1R0089	SETTI VENKATA SACHIN	S. Sachin	S. Sachin	S. Sachin	S. Sachin	S. Sachin	S. Sachin
36	20HC1R0090	SHAIK ARSHIYA	A. Arshiya	A. Arshiya	A. Arshiya	A. Arshiya	A. Arshiya	A. Arshiya
37	20HC1R0091	SHAIK FAYAZ BASHA	S. Basha	S. Basha	S. Basha	S. Basha	S. Basha	S. Basha
38	20HC1R0092	SHAIK HEENA	S. Heena	S. Heena	S. Heena	S. Heena	S. Heena	S. Heena
39	20HC1R0093	SHAIK MAHAMMED SHAFIULLA	S. Shafiulla	S. Shafiulla	S. Shafiulla	S. Shafiulla	S. Shafiulla	S. Shafiulla
40	20HC1R0094	SHAIK MOHAMMED MUJAFAR	S. Mujafar	S. Mujafar	S. Mujafar	S. Mujafar	S. Mujafar	S. Mujafar
41	20HC1R0095	SHAIK MUHAMMAD SOHEB	S. Soheb	S. Soheb	S. Soheb	S. Soheb	S. Soheb	S. Soheb
42	20HC1R0096	SHAIK NEHA ARSHI	A. Arshi	A. Arshi	A. Arshi	A. Arshi	A. Arshi	A. Arshi
43	20HC1R0097	SHAIK SUMAIAH	S. Sumaiah	S. Sumaiah	S. Sumaiah	S. Sumaiah	S. Sumaiah	S. Sumaiah
44	20HC1R0098	SUTHRAYE SUBRAMANYAM RAO	S. Subramanyam	S. Subramanyam	S. Subramanyam	S. Subramanyam	S. Subramanyam	S. Subramanyam
45	20HC1R0099	SYEDA RAFATH ZAHERA BEGUM	S. Rafath	S. Rafath	S. Rafath	S. Rafath	S. Rafath	S. Rafath
46	20HC1R00A0	THOGATA LOKESH	T. Lokesh	T. Lokesh	T. Lokesh	T. Lokesh	T. Lokesh	T. Lokesh
47	20HC1R00A1	THOTTI RAJESWARI	T. Rajeswari	T. Rajeswari	T. Rajeswari	T. Rajeswari	T. Rajeswari	T. Rajeswari
48	20HC1R00A2	USTHEPALLI HARSHITHA	U. Harshitha	U. Harshitha	U. Harshitha	U. Harshitha	U. Harshitha	U. Harshitha
49	20HC1R00A4	VARRA GREESHMA	V. Greeshma	V. Greeshma	V. Greeshma	V. Greeshma	V. Greeshma	V. Greeshma
50	20HC1R00A5	VARRA GREESHMANTH	V. Greeshmanth	V. Greeshmanth	V. Greeshmanth	V. Greeshmanth	V. Greeshmanth	V. Greeshmanth
51	20HC1R00A6	Y. CHANDRIKA	A. Chandrika	A. Chandrika	A. Chandrika	A. Chandrika	A. Chandrika	A. Chandrika
52	20HC1R00A7	YESUPOGU SUBHASH	Y. Subhash	Y. Subhash	Y. Subhash	Y. Subhash	Y. Subhash	Y. Subhash
53	21HC5R0001	GADDALA BHAVITHA	G. Bhavitha	G. Bhavitha	G. Bhavitha	G. Bhavitha	G. Bhavitha	G. Bhavitha
Total No. of Students:			53	53	53	53	53	53
Present :			51	51	51	51	51	51
Absent :			02	02	02	02	02	02
Sign of Invigilator(S)			M. Prasad	M. Prasad	M. Prasad	M. Prasad	M. Prasad	M. Prasad


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Mid I Theory

(College Code: HC)

MAIN ANSWER BOOK

COURSE : B-pharmacy
YEAR & SEM : III-year, II-sem
NAME OF THE EXAM : Mid-I - exam
SUBJECT NAME : Herbal Drug Technology
SUBJECT CODE : BP603T

NAME OF THE STUDENT:

A. Mounika

HALL TICKET NUMBER

2 0 H C I R 0 0 0 1

A. Mounika 19/4/23

Signature of the Student with date

19/4/23

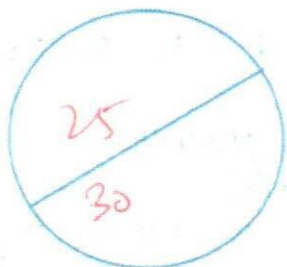
Signature of the Invigilator with date

FOR EXAMINER'S AWARD ONLY

Q.No	A	B	C	D	E	Total
1	1 1/2	2	1 1/2	1 1/2	1 1/2	7
2						
3						8
4						5
5						
6						5
OBJ						25
GRAND TOTAL						

INSTRUCTIONS TO STUDENTS

- Before you begin to answer fill in the particulars of year, subject and H.T. No. failing which the script will not be valued.
- No loose sheets or paper will be allowed into the examination hall and no paper must be detached from the answer book.
- Write answer legibly on both sides of the page. The question numbers are to be carefully indicated.
- All the rough work must be done at the last page noting rough work.
- Additional answer books used, if any, should be carefully fastened to the main answer book by obtaining thread from the invigilator.
- This main answer book with tagged additional (if any) should be handed over to the Invigilator before leaving the examination hall.



13/15

MARKS IN WORDS

FIRST DIGIT.	SECOND DIGIT
one	Three

Signature of the Examiner with date

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PART-B

3. Role Of Nutraceuticals In Cancer :

- * Now-a-days, cancer became a primary public health in developing countries. It should be prevented.
- * Taking food rich contain food such as eggs, chicken, Spinach, Broccoli, Green leafy vegetables and fruits etc. may prevent the colon cancer.
- * Carotenoid - It is a flavonoid, offers that the prevention of cancer and it is acts as a antioxidant to prevent the breast cancer. It is rich in vit-A.
- * Lycopene - It is present in the Tomatoes, papaya, pomogranate, guava etc. The lycopene is acts as a potent antioxidant.
- * phenolics: These are present in the Black berry, pomogranate etc. They prevent from the cancer and reported as the anticarcinogen.
- * Carotenoid is present in citrous fruits and acts as a antioxidant to treat the cancer.
- * pectin: It is a fibre present in Black berry, Blue berry, grapes etc. and shows its action towards to the cancer.
- * Carbohydrates, proteins, fats highly rich food should be taken in diet, to enhance the anticarcinogen activity of the drugs.

Spirulina :

Biological source :

It is obtained from the roots of spirulina maxima belonging to the family Oscillatoraceae.

Chemical Constituents :

- * It is highly rich in vitamins, Carbohydrates, minerals etc.
- * Vitamins includes B₁, B₂, B₃, B₄, B₅, B₆, B₁₂, vit-D, vit-E, vit-K.
- * It has sedative and hypnotic properties.
- * It has Immuno stimulant properties.
- * It is highly rich in absorption of natural iron than other iron.

gph

Garlic :

Biological Source :

It is obtained from the bulb of allium sativum of the family Liliaceae.

Chemical Constituents :

- * Garlic mainly contains the Allisine. } and other includes carbohydrates, proteins, fats etc.
- * It increases the HDL and decreases the LDL. so, it is used to treat atherosclerosis.
- * It decreases the cholesterol.
- * It reduces the platelet aggregation and it is used to treat the Cardiovascular diseases.

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PART-C

5. Drug-Herb Interactions :

It is defined as the biological modification caused by the herbal substances to another prescription medication in or on the body.

Mechanism of herb-drug interactions :

Herb-drug interactions may caused by the two mechanisms

- 1) pharmacokinetic mechanism.
- 2) pharmacodynamic mechanism.

1) pharmacokinetic interactions :

Absorption, Distribution, metabolism and excretion process that may alter the metabolites.

- * This may involves drug transporters and enzymes.
- *

6. Herbal colorants :

i) Indigo :

Biological Source :

It is obtained from the leaves of *Indigofera tinctoria* of the family Leguminosae.

Constituents :

- * It mainly consists of alkaloid soluble Indican. When it oxidises in water it gives insoluble Indican.
- * It is a deep blue in colour.
- * It is used in the printing, dyeing, etc.
- * It contains E-number - E-132.
- * It is used in the cosmetics, colorants etc.

ii) Ginger :

Biological source :

It is obtained from the rhizomes of *Curcuma longa* of the family Zingiberaceae.

Constituents :

- * It mainly contains the 'Curcuminoids' i.e. Curcumin.
- * It contains a E-number-100.
- * It is used in the preparation of ointments and creams.
- * It is used as a colorant in food products.

5

gpr



SANTHIRAM COLLEGE OF PHARMACY, NANDYAL
ADDITIONAL SHEET

Page No. 1

HALL TICKET No. 20HC1R0001

4. Drying of Herbal Raw materials :

* Drying is defined as the removal moisture content from the drug or material.

* Drying can enhance the quality of drug and more resistant to microorganisms.

* Drying is the major step in the preparation of any drug or raw material.

* Drying can be done by 2 methods :

1. Natural drying

2. Artificial drying.

1. Natural drying :

Natural drying done in 2 process : i.e. Sun and shade.

* If the drug remains volatile nature and colour of the drug remains then drying should be done in

* If the drug loses the volatile nature and the colour it should be done in sunlight.

2. Artificial drying :

It requires a artificial heat other than natural drying.

It includes Tray dryers, vacuum dryers, spray dryers.

i) Tray dryers :

* The drugs are placed in the dryers and the air is circulated throughout the dryers. and the hot air is replaced with the cool air that removes the moisture from the drug.

ii) vacuum dryers :

The drying should be done which are highly sensitive to heat. those drug are dried in the vacuum dryers.

iii) Spray dryers :

The drugs having high sensitive to temperature used to dry the drugs. and vacuum dryers are also used.

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PART-A

1. (a) Herb : It is defined as the crude drug that gives roots, shoots, leaves, stem, fruits of the plant parts.

Herbal medicine : which includes herbal materials, and their preparations, products.

(b) Law of similars in homeopathy :
Hahlemann propose the laws or similars, which means 'let like be cured by like'. preparation which cause certain symptoms in the healthy individuals which is used to treatment for patients with similar symptoms.

(c) Biological source of Amla :

It is obtained from the fruits of Amblica officinalis of the family Euphorbiaceae.

Chicory : It is obtained from the roots of chicorium-lintibus of the family Compositae.

(d) Psyllium, curcumin are used in the Gastrointestinal diseases.

(e) perfumes : It is a fragrance liquid, typically made from essential oils from the different plant parts & spices.

Eg: Cinnamon : It is obtained from the dried shoots of the plants of Cinnamomum zeylanicum of the family Lauraceae

Aloe : It is obtained from the seeds of

Lemon grass oil : It is obtained from the ~~seed~~ leaves of

Cymbopogon gravens of the family Gramineae.

SANTHIRAM COLLEGE OF PHARMACY
CONTINUOUS ASSESSMENT MODE Marks Distribution

B. PHARMACY III YEAR II SEM SEC-A

Subject Name: Herbal Drug Technology

Name of the Staff: Dr SV Suresh kumar

S. No	Regd No	Student Name	Mid-I (Theory)					Mid-I (Lab)			
			% Atten.	Atten. (4M)	Acad. (3M)	Interac tion (3M)	Total (10M)	% Atten.	Atten. (2M)	Acad. (3M)	Total (5M)
1	20HC1R0001	AKUMALLA MOUNIKA	100	4	3	3	10	85.71	1	3	4
2	20HC1R0002	A HARSHAVARDHAN	78.05	0	3	3	6	100	2	2	4
3	20HC1R0003	AMBATTI YAVANIKA	97.56	4	3	3	10	100	2	3	5
4	20HC1R0004	AMJATH.K.P	85.37	2	3	3	8	100	2	3	5
5	20HC1R0005	ANNAPU REDDY AMMULU	87.8	2	3	3	8	85.71	1	2	3
6	20HC1R0009	BANDAPALLI SREEVIDYA	75.61	0	3	3	6	85.71	1	3	4
7	20HC1R0010	BANDI HARI PRIYA	97.56	4	3	3	10	100	2	3	5
8	20HC1R0012	B NAGA BHAVANA	85.37	2	3	3	8	100	2	2	4
9	20HC1R0013	BONIGENI SAISREE	78.05	0	3	3	6	85.71	1	2	3
10	20HC1R0014	BOREDDY KALYANI	97.56	4	3	3	10	85.71	1	2	3
11	20HC1R0015	CHALLA DEEPIKA	97.56	4	3	3	10	100	2	3	5
12	20HC1R0016	CHAVAVI SAI KUMAR	100	4	3	3	10	100	2	2	4
13	20HC1R0017	CHEPPALI SUSHMA	63.41	0	3	3	6	100	2	2	4
14	20HC1R0018	CHETTUMALLA RAJITHA	97.56	4	3	3	10	85.71	1	3	4
15	20HC1R0019	CHIMMALA AKHILA	95.12	4	3	3	10	100	2	3	5
16	20HC1R0020	C H VARDHAN REDDY	82.93	1	3	3	7	85.71	1	2	3
17	20HC1R0021	CHITTARI SUNIL VARMA	75.61	0	3	3	6	100	2	2	4
18	20HC1R0022	CHITTIREDDY SUSHIMA	97.56	4	3	3	10	100	2	2	4
19	20HC1R0023	DANDUBOINA GURUREKHA	97.56	4	3	3	10	100	2	2	4
20	20HC1R0024	DASARAPALLI MOUNIKA	65.85	0	3	3	6	85.71	1	2	3
21	20HC1R0025	D VENKATA SATHWIKA	100	4	3	3	10	100	2	3	5
22	20HC1R0026	DUDEKULA AASHIYA	82.93	1	3	3	7	100	2	2	4
23	20HC1R0027	D KARISHMA BANE	87.8	2	3	3	8	100	2	3	5
24	20HC1R0028	DUDEKULA SADIK BASHA	75.61	0	3	3	6	90	1.5	3	5
25	20HC1R0029	E SHAIK MOHAMMAD SAIIF	63.41	0	3	3	6	80	0.5	1	2
26	20HC1R0030	G GNANA PRASUNA	87.8	2	3	3	8	100	2	3	5
27	20HC1R0031	G NAGA USHA SREE	100	4	3	3	10	100	2	3	5
28	20HC1R0032	GOPAVARAM LAVANYA	82.93	1	3	3	7	80	0.5	2	3
29	20HC1R0033	GORANTLA SUPRIYA	87.8	2	3	3	8	100	2	3	5
30	20HC1R0034	GUDISE PRAVALLIKA	73.17	0	3	3	6	80	0.5	2	3


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31	20HC1R0035	GULISETTI TEJASWINI	87.8	2	3	3	8	100	2	3	5
32	20HC1R0036	GUNTA PARVATHI	90.24	3	3	3	9	100	2	3	5
33	20HC1R0037	GURRAM NEELIMA SUMA	4.88	0	0	0	0	20	0		0
34	20HC1R0039	INDLA VAMSIDHAR REDDY	78.05	0	3	3	6	90	1.5	2	4
35	20HC1R0040	ITHA SAMEL	82.93	1	3	3	7	90	1.5	2	4
36	20HC1R0041	JANGAM SUMANA SRI	85.37	2	3	3	8	100	2	3	5
37	20HC1R0044	KADIRI ANUHYA	90.24	3	3	3	9	100	2	3	5
38	20HC1R0045	KAMMARI KARTHIK	60.98	0	3	3	6	80	0.5	2	3
39	20HC1R0046	KANDURI TARUN KUMAR	97.56	4	3	3	10	100	2	3	5
40	20HC1R0047	K BUCCHAPPAGARI SUSMITHA	70.73	0	3	3	6	70	0	2	2
41	20HC1R0048	KARUR SUCHITRA	63.41	0	3	3	6	60	0	1	1
42	20HC1R0049	KASETTY SUGUNA	95.12	4	3	3	10	100	2	3	5
43	20HC1R0051	KODURU DIWAKAR	68.29	0	3	3	6	80	0.5	2	3
44	20HC1R0052	KOPPERA SUNEETHA	95.12	4	3	3	10	90	1.5	2	4
45	20HC1R0053	KOTHAKOTTAM NOORUN.B	100	4	3	3	10	100	2	3	5
46	20HC1R0054	KUKKADAPU THANUSHA	92.68	3	3	3	9	100	2	3	5

Sign. Of Sub. I/C

Sign of HOD

PRINCIPAL

(Academic Activities -quiz/assignments/open book test/field work. Group discussion and seminar)

Theor	% of Attendance	95-100	90-94			80-84	Less than 80
		4	3			1	0

LAB	% of Attendance	95-100	90-94			80-84	Less than 80
		2	1.5			0.5	0

PRINCIPAL
Santhiram College of Pharmacy
NH-40, Nandyal-518501, A.P.



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

Examinations Branch

Notification

for

B.Pharm III Year I semester (R19) Supplementary Examinations, July 2023

(For 2019, 2020 Regular & 2020, 2021 Lateral Entry admitted batches only)

Candidates appearing for the above examinations commencing from **18th July 2023** are informed that the applications will be received as per the time schedule given below:

Examination Registration	Last Date
Without Late Fee	30.06.2023
With Late Fee of Rs. 100/-	03.07.2023
With Late Fee of Rs. 1000/-	05.07.2023
With Late Fee of Rs. 3000/-	07.07.2023
With Late Fee of Rs. 5000/-	16.07.2023

Examinations Fee		
1.	For one subject (theory / practical)	Rs.300-00
2.	For two subjects (theory / practical / both)	Rs.400-00
3.	For three subjects (theory / practical / both)	Rs.500-00
4.	For four subjects & above (theory / practical / both)	Rs.700-00
5.	Marks Memorandum	Rs.10.00
6.	Cost of Application	Rs.05-00

- Note: (i) Applications are available at the office of the Principal and duly filled-in applications should be handed over in the college office along with necessary fee.
- (ii) Applications for supplementary examinations (AY 2022-23) should be submitted along with attested photocopies of marks sheets pertaining to earlier attempts made by the student.
- (iii) Hall tickets will be issued only to the eligible candidates who fulfill the academic requirements of the University.
- (iv) No student is allowed for laboratory examinations without Hall Ticket.
- (v) Principals are requested to verify the eligibility of the registration for examination in respect of malpractice/court cases/credits.
- (vi) The Principals are requested to inform the students that mere payment of examination fee does not guarantee eligibility for appearing for examinations.
- (vii) Detailed timetables will be notified in the website www.jntua.ac.in under 'Examinations'.

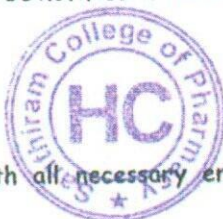
Digitally signed by KESHAVA REDDY
EDDULA
Date: Mon Jun 19 14:36:28 IST 2023

Date: 19-06-2023

Note:

Online receipts/Challans along with all necessary enclosures have to be submitted at the University Examinations Branch

- (i) on **06.07.2023** (Thursday) for Online receipts/Challans without fine, with Rs.100/- fine and Rs.1000/- fine only.
- (ii) on **17.07.2023** (Monday) for Online receipts/Challans with Rs.3000/- and Rs.5000/- fine only.



DIRECTOR OF EVALUATION

Subra. A. R.

PRINCIPAL

**Santhiram College of Pharmacy
NH-40, Nandyal-518501, A.P.**



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ADMINISTRATIVE BUILDING, ANANTHAPURAMU 515002
EXAMINATIONS BRANCH

Prof.E.Keshava Reddy
Director of Evaluation

ONLINE REGISTRATION

Lr. No. DE / JNTUA/ ATP/ B.Pharm I-II (R15) and III-I III-II (R19) Regular & Supplementary Examinations
/ July 2023/Instructions dt. 19.06.2023

To
The Principals
All colleges offering B.Pharm program under JNTU Anantapur

Sir/Madam,

You are requested,

- To upload internal marks of B.Pharm III year II semester Regular students (AY 2022-23) to examinations portal 'JNTUA EMS' on or before 05:30 PM of **10.07.2023 (Monday)**. Internal marks uploaded after 05:30 PM of 10th July 2023 will not be considered. Hard copy of the same duly signed and stamped by the college principal on each sheet should reach Dr. K.Githendra Gowd, Assistant Professor of EEE and Additional Controller of Examinations, University Examinations Building, Oppt. Govt. Polytechnic College, JNTU Anantapur, Ananthapuramu - 515002 (A.P) on or before **14.07.2023 (Friday)** by registered/speed post. Please superscribe the cover containing the hard copy of internal marks as B.Pharm/III-II/IM/R19/Jul-2023 Exams/College Code.
- To conduct laboratory examinations from **10.07.2023 to 15.07.2023** and send the award lists in sealed covers to the address mentioned above on or before **20.07.2023 (Thursday)** without fail by registered/speed post. The cover may be superscribed as B.Pharm I-II/III-I/III-II/R15/R19/Reg & Supple/July-2023/Lab Award Lists/College Code.
- Complete the first entry of lab externals in EMS by **17.07.2023**.
- You are requested to finalize the attendance particulars of the students for regular examinations and to upload the detained list to the examinations portal 'JNTUA EMS' on or before 05:30 PM of **10.07.2023 (Monday)** without fail.
- To note that schedule for online registration (for R19 & R15 regulations only) is as follows

	Opens	Closes	No. of Days
Without late fee	19.06.2023	30.06.2023	11 days
With Rs.100/- late fee	01.07.2023	03.07.2023	02 days
With Rs.1000/- late fee	04.07.2023	05.07.2023	02 days
With Rs.3000/- late fee	06.07.2023	07.07.2023	02 days
With Rs.5000/- late fee	08.07.2023	16.07.2023	09 day

Schedule for submission of online receipts/challan for verification at Head Quarters

06.07.2023	Thursday	All Districts	Without fine, with Rs.100/- fine and Rs.1000/- fine only
17.07.2023	Monday	All Districts	With Rs.3000/- fine and Rs.5000/- fine only

- Students who are writing substitute subjects and additional subjects shall be registered manually with centre being the parent college only.
- To submit the following at the time of verification along with Online receipts/Challans without which verification process will not undertaken
 - Detained List signed by the college principal.
 - Condoned List signed by the college principal along with Online receipts/Challan towards condonation fee.
 - College Academic Committee (CAC) resolution approving detained and condonation Lists
 - 'Eligible but not registered' list signed by the college principal.
 - Copy of Clearance Certificate.
 - Copy of UCS Fee Receipts.
- Deduction by the colleges is permissible as per the proceedings of the Registrar dated 07.04.2018 for Regular and 16.04.2014 for Supple, copies of which are available in www.jntua.ac.in under 'examinations'.
- To note that hall tickets will be generated only for eligible students who have paid the UCS fee, for whom clearance has been given by the University and whose examinations fee has been received. For these candidates hall tickets will be available in the JNTUA EMS on **07.07.2023 (Friday)** for download.

Yours faithfully,

Digitally signed by KESHAVA REDDY
EDDULA
Date: Mon Jun 19 14:55:05 IST 2023
DIRECTOR OF EVALUATION

[Signature]

[Signature]

PRINCIPAL
Santhiram College of Pharmacy
NH-40,Nandyal-518501,A.P.



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

Examination Branch

B.Pharm III Year II Semester (R19) Regular & Supple July 2023 Examinations

Time: 10:00 AM to 01:00 PM

Date / Day	B PHARMACY
17.07.2023 Monday	Medicinal Chemistry - III BP601T
19.07.2023 Wednesday	Pharmacology - III BP602T
21.07.2023 Friday	Herbal Drug Technology BP603T
24.07.2023 Monday	Biopharmaceutics & Pharmacokinetics BP604T
26.07.2023 Wednesday	Pharmaceutical Biotechnology BP605T
31.07.2023 Monday	Quality Assurance BP606T

Note: (i) Any omissions or clashes in this time table may please informed to the undersigned immediately.
(ii) If any discrepancies are found, the same may be informed to the undersigned immediately

Date : 28-06-2023

Controller of Examinations



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

Examination Branch

B.Pharm III Year II Semester (R15) Supplementary July 2023 Examinations

Time: 02:00 PM to 05:00 PM

Date / Day	B PHARMACY
06.07.2023 Thursday	PHARMACOLOGY-II 15R00601
10.07.2023 Monday	PHARMACEUTICAL ANALYSIS-II 15R00602
12.07.2023 Wednesday	BIOPHARMACEUTICS & PHARMACOKINETICS 15R00603
14.07.2023 Friday	PHARMACEUTICAL JURISPRUDENCE 15R00604
17.07.2023 Monday	PHARMACY ADMINISTRATION 15R00605
	CLINICAL TRIALS 15R00606
	COSMETIC TECHNOLOGY 15R00607

Note: (i) Any omissions or clashes in this time table may please informed to the undersigned immediately.
(ii) If any discrepancies are found, the same may be informed to the undersigned immediately

Date : 28-06-2023

Controller of Examinations



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

Examinations Branch

Notification
for

Pharm.D II Year Regular & Supplementary Examinations October 2022

(For 2020 and after 2010 admitted batches only)

Candidates appearing for the above examinations commencing from 13th October 2022 are informed that the applications will be received as per the time schedule given below:

Examination Registration	Last Date
Without Late Fee	26.09.2022
With Late Fee of Rs. 100/-	28.09.2022
With Late Fee of Rs. 1000/-	30.09.2022
With Late Fee of Rs. 3000/-	06.10.2022
With Late Fee of Rs. 5000/-	10.10.2022

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EXAMINATION FEE		
1.	WHOLE EXAMINATION (for regular only)	Rs.950-00
2.	EACH THEORY/PRACTICAL SUBJECT (for supplementary)	Rs.600-00
3.	MEMORANDUM OF MARKS	Rs.10-00
4.	COST OF APPLICATION	Rs.05-00

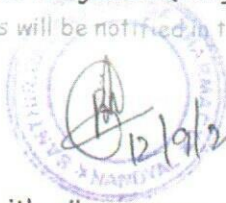
- Note: (i) Applications are available at the office of the Director/Principal and duly filled-in applications should be handed over in the college office along with necessary fee.
- (ii) Hall tickets will be issued only to the eligible candidates who fulfill the academic requirements of the University.
- (iii) The Director/Principals are requested to verify the eligibility of the registration for examination in respect of malpractice/court cases/credits.
- (iv) The Director/Principals are requested to inform the students that mere payment of examination fee does not guarantee eligibility for appearing for examinations.
- (v) Detailed timetables will be notified in the website www.jntua.ac.in under 'Examinations'.

Date: 12-09-2022

Note:

Online receipts/Challans along with all necessary enclosures have to be submitted at the University Examinations Branch

- (i) on 06.10.2022 (Thursday) for Online receipts/Challans without fine, with Rs.100/- fine and Rs.1000/- fine only.
- (ii) on 11.10.2022 (Tuesday) for Online receipts/Challans with Rs.3000/- and Rs.5000/- fine only.



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EDDULA
Date: Mon Sep 12 13:31:23 IST 2022

DIRECTOR OF EVALUATION

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Gp

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NH-40, Nandyal-518501, A.P.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

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

Examinations Branch

Pharm.D - II Year Regular & Supplementary Examinations - October 2022

(For 2020 and after 2010 admitted batches only)

Timetable

TIME: 10: 00 AM To 01: 00 PM

Date/Day	Regular & Supplementary For 2017, 2018, 2019 & 2020 admitted batches only	Supplementary For 2016 and after 2010 admitted batches only
13.10.2022 Thursday	Pharmaceutical Microbiology 17T00202	Pathophysiology 14T00201/T0820001
15.10.2022 Saturday	Pathophysiology 17T00201	Pharmaceutical Microbiology 14T00202/T0820002
17.10.2022 Monday	Pharmacology - I 17T00204	Pharmacognosy & Phytopharmaceuticals 14T00203/T0820003
19.10.2022 Wednesday	Pharmacognosy & Phytopharmaceuticals 17T00203	Pharmacology - I 14T00204/T0820004
21.10.2022 Friday	Pharmacotherapeutics - I 17T00206	Community Pharmacy 14T00205/T0820005
25.10.2022 Tuesday	Community Pharmacy 17T00205	Pharmacotherapeutics - I 14T00206/T0820006

Note: (i) Any omissions or clashes in this time table 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: 15.09.2022

Controller of Examinations

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Santhiram College of Pharmacy
NH-40, Nandyal-518501, A.P.