



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
(Established by Act No.30 of 2008)
Kukatpally, Hyderabad-500085, Telangana State (India)

Academic Regulations of M.Pharm. (Regular/Full Time) Programmes, 2022-23 (R22)
(Effective for the students admitted into 1 year from the Academic Year 2022-23 and onwards)

- 1.0 Post-Graduate Degree Programmes in Pharmacy (PGP in Pharmacy)** Jawaharlal Nehru Technological University Hyderabad (JNTUH) offers **Two Years (Four Semesters)** full-time Master of Pharmacy (M.Pharm.) Degree programmes, under Choice Based Credit System (CBCS) at its constituent (non-autonomous) and affiliated colleges in different specializations.
- 2.0 Eligibility for Admissions**
 - 2.1** Admission to the PGPs shall be made subject to eligibility, qualification and specializations prescribed by the University from time to time, for each specialization under each M.Pharm. programme.
 - 2.2** Admission to the post graduate programme shall be made on the basis of either the merit rank or Percentile obtained by the qualified student in the relevant qualifying GPAT Examination/ the merit rank obtained by the qualified student in an entrance test conducted by Telangana State Government (PGECET) for M.Pharm. programmes / an entrance test conducted by JNTUH/ on the basis of any other exams approved by the University, subject to reservations as laid down by the Govt. from time to time.
 - 2.3** The medium of instructions for all PG Programmes will be **ENGLISH** only.
- 3.0 M.Pharm. Programme (PGP in Pharmacy) Structure**
 - 3.1** The M.Pharm. Programmes in Pharmacy of JNTUH are of Semester pattern, with **Four Semesters** consisting of **Two** academic years, each academic year having **Two Semesters** (First/Odd and Second/Even Semesters). Each Semester shall be of 23 weeks duration (inclusive of Examinations), with a minimum of 100 instructional days per Semester.
 - 3.2** The student shall not take more than **four** academic years to fulfill all the academic requirements for the award of M.Pharm. degree from the date of commencement of first year first semester, failing which the student shall forfeit the seat in M.Pharm. programme.
 - 3.3 UGC/PCI** specified definitions/descriptions are adopted appropriately for various terms and abbreviations used in these PG academic regulations, as listed below:
 - 3.3.1 Semester Scheme**

Each Semester shall have 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) are taken as 'references' for the present set of Regulations. The terms 'SUBJECT' and 'COURSE' imply the same meaning here and refer to 'Theory Subject', or 'Lab Course', or 'Design Subject', or 'Mini Project with Seminar', or 'Dissertation', as the case may be.
 - 3.3.2 Credit Courses**

All subjects/courses are to be registered by the student in a semester to earn credits which shall be assigned to each subject/course in an L: T: P: C (Lecture Periods: Tutorial Periods: Practical Periods:



Credits) structure based on the following general pattern:

- One credit for one hour/week/semester for theory/lecture (L) courses
- One credit for two hours/ week/semester for laboratory/ practical (P) courses or tutorials (T)

Other student activities like study tour, guest lecture, conference/workshop participations, technical paper presentations and mandatory courses (**Audit Courses**) will not carry any credits.

3.3.3 Subject Course Classification

All subjects/courses offered for the Post-Graduate Programme in Pharmacy (M.Pharm. Degree Programme) are broadly classified as follows. The University has followed in general the guidelines issued by UGC/PCI.

S.No.	Broad Course Classification	Course Group/ Category	Course Description
1	Core Courses (CoC)	PC- Professional Core	Includes subjects related to the Specialization in Pharmacy
		Dissertation	M.Pharm. Project or PG Project or Major Project
		Mini Project/ Seminar	Mini Project/Seminar based on core contents related to the Specialization in Pharmacy
2	Elective Courses (EiE)	PE Professional Electives	Includes elective subjects related to the Specialization in Pharmacy
		OE - Open Electives	Elective subjects which include inter-disciplinary subjects or subjects in an area outside the Specialization in Pharmacy
3	Mandatory Courses	--	Non-Credit Audit Courses

4.0 Course Registration

- 4.1 A 'Faculty Advisor or Counselor' shall be assigned to each specialization, who will advise on the Post Graduate Programme (PGP), its Course Structure and Curriculum, Choice/Option for Subjects/ Courses, based on his competence, progress, pre-requisites and interest.
- 4.2 The Academic Section of the College invites 'Registration Forms' from students within 15 days from the commencement of class work through 'ON-LINE SUBMISSIONS', ensuring 'DATE and TIME Stamping'. The ON-LINE Registration Requests for any 'CURRENT SEMESTER' shall be completed BEFORE the commencement of SEEs (Semester End Examinations) of the 'PRECEDING SEMESTER'.
- 4.3 A Student can apply for ON-LINE Registration, ONLY AFTER obtaining the 'WRITTEN APPROVAL' from his Faculty Advisor, which should be submitted to the College Academic Section through the Head of Department (a copy of it being retained with Head of Department, Faculty Advisor and the Student).
- 4.4 If the Student submits ambiguous choices or multiple options or erroneous entries during ON-LINE Registration for the Subject(s) / Course(s) under a given/ specified Course Group/ Category as listed in the Course Structure, only the first mentioned Subject/ Course in that Category will be taken into consideration.



- 4.5 Subject/ Course Options exercised through ON-LINE Registration are final and CANNOT be changed, nor can they be inter-changed; further, alternate choices also will not be considered. However, if the Subject/ Course that has already been listed for Registration by the University in a Semester could not be offered due to unforeseen or unexpected reasons, then the Student will be allowed to have alternate choice either for a new Subject, if it is offered, or for another existing Subject (subject to availability of seats). Such alternate arrangements will be made by the Head of Department, with due notification and time-framed schedule, within the FIRST WEEK from the commencement of Class-work for that Semester.

5.0 Attendance Requirements

The programmes are offered based on a unit system with each subject being considered a unit. Attendance is calculated separately for each subject.

- 5.1 Attendance in all classes (Lectures/Laboratories) is compulsory. The minimum required attendance in each theory subject (**also mandatory audit courses**) including the attendance of mid-term examination / Laboratory etc. is 80%. Two periods of attendance for each theory subject shall be considered, if the student appears for the mid-term examination of that subject. **This attendance should also be included in the fortnightly upload of attendance to the University. The attendance of mandatory audit courses should be uploaded separately to the University.** A student shall not be permitted to appear for the Semester End Examinations (SEE), if his attendance is less than 80%.
- 5.2 A student's Seminar report and presentation on Mini Project shall be eligible for evaluation, only if he ensures a minimum of 80% of his attendance in Seminar presentation classes on Mini Project during that Semester.
- 5.3 **Condoning of shortage of attendance** (between 70% and 80%) up to a maximum of 10% (considering the days of attendance in sports, games, NCC, NSS activities and Medical grounds) in each subject (Theory/Lab/Mini Project with Seminar) of a semester shall be granted by the College Academic Committee on genuine reasons.
- 5.4 A prescribed fee per subject shall be payable for condoning shortage of attendance after getting the approval of College Academic Committee for the same. The College Academic Committee shall maintain relevant documents along with the request from the student.
- 5.5 Shortage of Attendance below 70% in any subject shall in **no case be condoned.**
- 5.6 A Student, whose shortage of attendance is not condoned in any Subject(s) (Theory/Lab/Mini Project with Seminar) in any Semester, is considered as 'Detained in that Subject(s), and is not eligible to write Semester End Examination(s) of such Subject(s), (in case of Mini Project with Seminar, his/her Mini Project with Seminar Report or Presentation are not eligible for evaluation) in that Semester; and he/she has to seek re-registration for those Subject(s) in subsequent Semesters, and attend the same as and when offered.
- 5.7 A student fulfills the attendance requirement in the present semester, shall not be eligible for readmission into the same class.
- 5.8 a) A student shall put in a minimum required attendance in at least **three theory subjects (excluding mandatory(audit) course)** in first Year I semester for promotion to first Year II Semester.
b) A student shall put in a minimum required attendance in at least **three theory subjects (excluding mandatory(audit) course)** in first Year II semester for promotion to second Year I Semester.



6.0 Academic Requirements

The following academic requirements must be satisfied, in addition to the attendance requirements mentioned in item no. 5. The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks per subject / course (theory / practical), based on Internal Evaluation and Semester End Examination.

- 6.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/course, if he secures not less than **40%** of marks (30 out of 75 marks) in the Semester End Examination, and a minimum of **50%** of marks in the sum total of CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of Letter Grades and this implies securing 'D' Grade or above in a subject.
- 6.2 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to **Mini Project**, if student secures not less than **50%** marks (i.e. 50 out of 100 allotted marks). The student would be treated as failed, if student (i) does not submit a report on Mini Project or does not make a presentation of the same before the evaluation committee as per schedule or (ii) secures less than 50% marks in Mini Project evaluation. The failed student may reappear once for the above evaluation, as and when they are scheduled again; if the student fails in such 'one reappearance' evaluation also, the student has to reappear for the same in the next subsequent semester, as and when it is scheduled.
- 6.3 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to **seminar & assignment**, if student secures not less than 50% marks i.e. 50 out of 100 allotted marks. 50 marks are allotted for **Seminar**, 50 marks are allotted for **Assignment**, **Total 50+50 = 100 marks**. The student would be treated as failed, if student (i) does not submit a report on seminar/does not submit the assignments as prescribed or does not make a seminar presentation before the evaluation committee as per schedule or (ii) secures less than 50% (i.e. < 25 marks out of 50) marks in each of the seminar & assignment evaluations. The student failed in seminar evaluation may reappear once for it, as and when it is scheduled again; The student failed in assignment evaluation may submit the assignments once again for the evaluation, as and when the assignment submission is scheduled again. If the student fails in such 'one reappearance' evaluation also, the student has to reappear for the same in the next subsequent semester, as and when it is scheduled.
- 6.4 A student shall register for all subjects for total of **98 credits** as specified and listed in the course structure for the chosen specialization, put in required the attendance and fulfill the academic requirements for securing 98 credits obtaining a minimum of 'D' Grade or above in each subject, and all **98 credits** securing Semester Grade Point Average (**SGPA**) ≥ 6.0 (in each semester) and final Cumulative Grade Point Average (**CGPA**) (i.e., CGPA at the end of PGP) ≥ 6.0 , and shall **pass all the mandatory audit courses** to complete the PGP successfully.
- Note: (1) The SGPA will be computed and printed on the marks memo only if the candidate passes in all the subjects offered and gets minimum 'D' grade in all the subjects.
- (2) CGPA is calculated only when the candidate passes in all the subjects offered in all the semesters
- 6.5 Marks and Letter Grades obtained in all those subjects covering the above specified 98 credits alone shall be considered for the calculation of final CGPA, which will be indicated in the Grade Card /Marks Memo of second year second semester.
- 6.6 If a student registers for extra subject(s) (in the parent specialization or other specializations of



Pharmacy) other than those listed subjects totaling to 98 credits as specified in the course structure, the performance in extra subject(s) (although evaluated and graded using the same procedure as that of the required 98 credits) will not be considered while calculating the SGPA and CGPA. For such extra subject(s) registered, percentage of marks and Letter Grade alone will be indicated in the Grade Card/Marks Memo, as a performance measure, subject to completion of the attendance and academic requirements as stated in items 5 and 6.1 - 6.4.

- 6.7 When a student is detained due to shortage of attendance in any subject(s) in any semester, no Grade allotment will be made for such subject(s). However, he is eligible for re-registration of such subject(s) in the subsequent semester(s), as and when next offered, with the academic regulations of the batch into which he is re-registered, by paying the prescribed fees per subject. In all these re-registration cases, the student shall have to secure a fresh set of internal marks and Semester End Examination marks for performance evaluation in such subject(s), and SGPA/CGPA calculations.
- 6.8 A student eligible to appear for the Semester End Examination in any subject, but absent from it or failed (failing to secure 'D' Grade or above), may reappear for that subject at the supplementary examination as and when conducted. In such cases, his Internal Marks assessed earlier for that subject will be carried over, and added to the marks secured in the supplementary examination, for the purpose of evaluating his performance in that subject.
- 6.9 A Student who fails to earn 98 credits as per the specified course structure, and as indicated above, within four academic years from the date of commencement of his first year first semester, shall forfeit his seat in M.Pharm. programme and his admission shall stand cancelled.

7.0 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. The performance of a student in every theory subject/course will be evaluated for 100 marks, with 25 marks allotted for CIE (Continuous Internal Evaluation) and 75 marks for SEE (Semester End-Examination).

- 7.1 For theory subjects, 75 marks shall be awarded for the performance in the Semester End Examination and 25 marks shall be awarded for Continuous Internal Evaluation (CIE). The Continuous Internal Evaluation shall be made based on the average of the marks secured in the two Mid-Term Examinations conducted, first Mid-Term examinations in the middle of the Semester and second Mid-Term examinations during the last week of instruction. Each Mid-Term Examination shall be conducted for a total duration of 120 minutes with Part 'A' as compulsory consisting of 5 questions carrying 2 marks each (10 marks), and Part 'B' with 3 questions to be answered out of 5 questions, each question carrying 5 marks (15 marks). The details of the Question Paper pattern for Semester End Examination (Theory) are given below:
- The Semester End Examination will be conducted for 75 marks. It consists of two parts.
i) Part A for 25 marks, ii) Part B for 50 marks.
 - Part A is compulsory and consists of 5 questions, one from each unit and carrying 5 marks each.
 - Part B consists of 5 questions carrying 10 marks each. There will be two questions from each unit and only one should be answered.
- 7.2 For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 25 marks and 75 marks for semester end examination. Out of the 25 marks for internal evaluation:
1. A write-up on day-to-day experiment in the laboratory (in terms of aim, components/procedure, expected outcome) which shall be evaluated for 5 marks



2. 10 marks for viva-voce in the course concerned.
3. Internal practical examination conducted by the laboratory teacher concerned shall be evaluated for 10 marks.

The Semester End Examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the cluster/other colleges which will be decided by the examination branch of the University.

In the Semester End Examination held for 3 hours, total 75 marks are divided and allocated as shown below:

1. 10 marks for Synopsis
2. 50 marks for experiment
3. 15 marks for viva-voce on concerned laboratory course

A student has to secure 50 marks (i.e. 50% out of the 100 marks) allotted for CIE and SEE taken together.

- 7.3** There shall be Mini Project during I year II semester for **internal evaluation** of 100 marks. The Departmental Academic Committee (DAC) will review the progress of the mini project during the presentations and evaluate the same for 50 marks. Mini Project Viva Voce will be evaluated by the DAC for another 50 marks before the semester end examinations. Student shall carryout the mini project in consultation with the mini project supervisor which may include critically reviewing the literature, project implementation and submit it to the department in the form of a report and shall make an oral presentation before the DAC consisting of Head of the Department, Mini Project supervisor and two other senior faculty members of the department. The student has to secure a minimum of 50% of marks in i) mini project presentation and ii) mini project viva voce, to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same as and when scheduled.
- 7.4** There shall be **seminar & assignment** during I Year I Semester & I Year II Semester for **internal evaluation** of 100 marks. 50 marks are allotted for **Seminar**, 50 marks are allotted for **Assignment**, **Total 50+50 = 100 marks.**

For **Seminar**, the student in consultation with the seminar supervisor shall collect the information on a specialized topic, prepare a report, and submit it to the department. The Departmental Academic Committee (DAC) consisting of Head of the Department, seminar supervisor and two other senior faculty members of the department will evaluate the seminar report for 50 marks before the semester end examinations. The student has to secure a minimum of 25 marks (i.e. 50% out of the 50 marks) allotted to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same as and when scheduled.

For **Assignment**, the student is required to submit **one assignment from each theory subject/course** in I Year I Semester & I Year II Semester before the commencement of Semester End Examinations.

- In I Year I Semester there are 5 theory courses and 5 assignments are to be submitted in total, one assignment each to the concerned theory subject teacher. The concerned theory subject teacher will evaluate the assignment for 10 marks. So 5 assignments will be evaluated for 50 marks in total.
- In I Year II Semester there are 4 theory courses and 4 assignments are to be submitted in total, one assignment each to the concerned theory subject teacher. The concerned theory subject teacher will evaluate the assignment for 12.5 marks. So 4 assignments will be evaluated for 50 marks in total.



The student has to secure a minimum of 25 marks (i.e. 50% out of the 50 marks) allotted to be declared successful. If he fails to obtain the minimum marks, he may submit the assignments once again for the evaluation, as and when the assignment submission is scheduled again.

- 7.5 There shall be comprehensive viva-voce during II year I semester for **external evaluation** of 100 marks. It shall be evaluated by the committee consisting of an external examiner, Head of the Department, and two other senior faculty members of the department before the semester end examinations. The external examiner shall be appointed from the cluster/other colleges which will be decided by the examination branch of the University. The student has to secure a minimum of 50 marks (i.e. 50% out of the 100 marks) allotted to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same as and when scheduled.
- 7.6 Every candidate shall be required to submit a dissertation on a topic approved by the Dissertation Review Committee.
- 7.7 A Dissertation Review Committee (DRC) shall be constituted with the Head of the Department as Chairperson, Dissertation Supervisor and one senior faculty member of the Department offering the M.Pharm. programme.
- 7.8 Registration of Dissertation Work: A candidate is permitted to register for the Dissertation Work after satisfying the attendance requirement in all the subjects, both theory and laboratory.
- 7.9 After satisfying 7.8, a candidate must present in Dissertation Work Review - I, in consultation with his Dissertation Supervisor, the title, objective and plan of action of his Dissertation work to the Dissertation Review Committee (DRC) for approval within four weeks from the commencement of Second year First Semester. Only after obtaining the approval of the DRC can the student initiate the Dissertation work.
- 7.10 If a candidate wishes to change his supervisor or topic of the Dissertation, he can do so with the approval of the DRC. However, the DRC shall examine whether or not the change of topic/supervisor leads to a major change of his initial plans of Dissertation proposal. If yes, his date of registration for the project work starts from the date of change of Supervisor or topic as the case may be.
- 7.11 A candidate shall submit his Dissertation progress report in two stages at least with a gap of three months between them.
- 7.12 The work on the Dissertation shall be initiated at the beginning of the II year and the duration of the Dissertation is two semesters. A candidate is permitted to submit Dissertation Thesis only after successful completion of all theory and practical courses with the approval of DRC not earlier than 40 weeks from the date of approval of the Dissertation work. For the approval of DRC the candidate shall submit the draft copy of thesis to the Head of the Department and make an oral presentation before the DRC.
- 7.13 The Dissertation Work Review - II in II Year I Sem. carries internal marks of 100. Evaluation should be done by the DRC for 50 marks and the Supervisor will evaluate the work for the other 50 marks. The Supervisor and DRC will examine the Problem Definition, Objectives, Scope of Work, Methodology Adopted, Literature Survey in the same domain and progress of the Dissertation Work. A candidate has to secure a minimum of 50% of marks to be declared successful in Dissertation Work Review - II. If he fails to obtain the minimum required marks, he has to reappear for Dissertation Work Review - II as and when conducted.



- 7.14 The Dissertation Work Review - III in II Year II Sem. carries 100 internal marks. Evaluation should be done by the DRC for 50 marks and the Supervisor will evaluate it for the other 50 marks. The DRC will examine the overall progress of the Dissertation Work and decide whether or not the Dissertation is eligible for final submission. The evaluation shall be done as per the criteria given below:

Evaluation of Dissertation Book (Internal Evaluation):

Objective(s) of the work done	- 10 Marks
Methodology adopted	- 30 Marks
Results and Discussions	- 50 Marks
Conclusions and Outcomes	- 10 Marks
Total	- 100 Marks

A candidate has to secure a minimum of 50% of marks to be declared successful in Dissertation Work Review - III. If he fails to obtain the required minimum marks, he has to reappear for Dissertation Work Review - III as and when conducted.

- 7.15 For Dissertation Evaluation (Viva Voce) in II Year II Sem. there are external marks of 100 and it is evaluated by the external examiner. The evaluation shall be done as per the criteria given below:

Evaluation of Presentation (External Evaluation):

Presentation of work	- 40 Marks
Communication skills	- 20 Marks
Viva-Voce	- 40 Marks
Total	- 100 Marks

The candidate has to secure a minimum of 50% marks in Dissertation Evaluation (Viva-Voce) examination. If he fails to obtain the required minimum marks, he has to reappear for the same as and when conducted.

- 7.16 Dissertation Work Reviews - II and III shall be conducted in phase I (Regular) and Phase II (Supplementary). Phase II will be conducted only for unsuccessful students in Phase I. The unsuccessful students in Dissertation Work Review - II (Phase II) shall reappear for it at the time of Dissertation Work Review - III (Phase I). These students shall reappear for Dissertation Work Review - III in the next academic year at the time of Dissertation Work Review - II only after completion of Dissertation Work Review - II, and then Dissertation Work Review - III follows. The unsuccessful students in Dissertation Work Review - III (Phase II) shall reappear for Dissertation Work Review - III in the next academic year only at the time of Dissertation Work Review - II (Phase I).

- 7.17 After approval from the DRC, a soft copy of the thesis should be submitted for ANTI-PLAGIARISM check and the plagiarism report should be submitted to the University and be included in the final thesis. The Thesis will be accepted for submission, if the similarity index is less than 30%. If the similarity index has more than the required percentage, the student is advised to modify accordingly and re-submit the soft copy of the thesis after one month. The maximum number of re-submissions of thesis after plagiarism check is limited to TWO. The candidate has to register for the Dissertation work and work for two semesters. After three attempts, the admission is liable to be cancelled. The college authorities are advised to make plagiarism check of every soft copy of theses before submissions.

- 7.18 Three copies of the Dissertation Thesis certified by the supervisor shall be submitted to the College/School/Institute, after submission of a research paper related to the Dissertation work in a UGC approved journal. A copy of the submitted research paper shall be attached to thesis.

- 7.19 The thesis shall be adjudicated by an external examiner selected by the University. For this, the



Principal of the College/School/Institute shall submit a panel of **three** examiners from among the list of experts in the relevant specialization as submitted by the supervisor concerned and Head of the Department.

- 7.20 If the report of the external examiner is unsatisfactory, the candidate shall revise and resubmit the Thesis. If the report of the examiner is unsatisfactory again, the thesis shall be summarily rejected. Subsequent actions for such dissertations may be considered, only on the specific recommendations of the external examiner and /or Dissertation Review Committee. No further correspondence in this matter will be entertained, if there is no specific recommendation for resubmission.
- 7.21 If the report of the examiner is satisfactory, the Head of the Department shall coordinate and make arrangements for the conduct of Dissertation Viva-Voce examination. The Dissertation Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the external examiner who adjudicated the Thesis. The candidate has to secure a minimum of 50% of marks in Dissertation Evaluation (Viva-Voce) examination.
- 7.22 If he fails to fulfill the requirements as specified in 7.21, he will reappear for the Dissertation 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, unless he is asked to revise and resubmit his Dissertation Work by the board within a specified time period (within four years from the date of commencement of his first year first semester).
- 7.23 The Dissertation Viva-Voce External examination marks must be submitted to the University on the day of the examination.
- 7.24 For mandatory audit courses, a student has to secure 50 marks out of 100 marks (i.e. 50% of the marks allotted) in the continuous internal evaluation for passing the subject/course. These marks should also be uploaded along with the internal marks of other subjects.
- 7.25 No marks or letter grades shall be allotted for mandatory audit courses. Only Pass/Fail shall be indicated in Grade Card.

8.0 Re-Admission/Re-Registration

8.1 Re-Admission for Discontinued Student

A student, who has discontinued the M.Pharm. degree programme due to any reason whatsoever, may be considered for '**readmission**' into the same degree programme (with the same specialization) with the academic regulations of the batch into which he gets readmitted, with prior permission from the authorities concerned, subject to item 6.7.

- 8.2 If a student is detained in a subject (s) due to shortage of attendance in any semester, he may be permitted to **re-register** for the same subject(s) in the same category (core or elective group) or equivalent subject, if the same subject is not available, as suggested by the Board of Studies of that department, as and when offered in the subsequent semester(s), with the academic regulations of the batch into which he seeks re-registration, with prior permission from the authorities concerned, subject to item 3.2
- 8.3 **A candidate shall be given only one-time chance to re-register and attend the classes for a maximum of two subjects in a semester**, if the internal marks secured by a candidate are less than 40% and failed in those subjects but fulfilled the attendance requirement. A candidate must re-register for failed subjects within four weeks of commencement of the class work and secure the required



minimum attendance. In the event of the student taking this chance, his Continuous Internal Evaluation (internal) marks and Semester End Examination marks obtained in the previous attempt stand cancelled.

9.0 Examinations and Assessment - The Grading System

9.1 Grades will be awarded to indicate the performance of each student in each Theory Subject, or Lab/Practicals, or Mini Project with Seminar, Dissertation, etc., based on the percentage of marks obtained in CIE + SEE (Continuous Internal Evaluation + Semester End Examination, both taken together) as specified in Item 7 above, and a corresponding Letter Grade shall be given.

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

% of Marks Secured in a Subject/Course (Class Intervals)	Letter Grade (PCI Guidelines)	Grade Points
Greater than or equal to 90%	O (Outstanding)	10
80 and less than 90%	A (Excellent)	9
70 and less than 80%	B (Good)	8
60 and less than 70%	C (Fair)	7
50 and less than 60%	D (Average)	6
Below 50%	F (FAIL)	0
Absent	Ab	0

9.3 A student obtaining 'F' Grade in any Subject is deemed to have 'failed' and is required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted. In such cases, his Internal Marks (CIE Marks) in those subjects will remain as obtained earlier.

9.4 If a student has not appeared for the examinations, 'Ab' Grade will be allocated to him for any subject and shall be considered 'failed' and will be required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted.

9.5 A Letter Grade does not imply any specific marks percentage; it is only the range of percentage of marks.

9.6 In general, a student shall not be permitted to repeat any Subject/ Course (s) only for the sake of 'Grade Improvement' or 'SGPA/ CGPA Improvement'.

9.7 A student earns Grade Point (GP) in each Subject/ Course, on the basis of the Letter Grade obtained by him in that Subject/ Course. The corresponding 'Credit Points' (CP) are computed by multiplying the Grade Point with Credits for that particular Subject/ Course.

$$\text{Credit Points (CP)} = \text{Grade Point (GP)} \times \text{Credits} \dots \text{For a Course}$$

9.8 The student passes the Subject/ Course only when he gets $GP \geq 6$ (D Grade or above).

9.9 The Semester Grade Point Average (SGPA) is calculated by dividing the Sum of Credit Points (ΣCP) secured from ALL Subjects/ Courses registered in a Semester, by the Total Number of Credits registered during that Semester. SGPA is rounded off to TWO Decimal Places. SGPA is thus computed as

$$SGPA = \left\{ \sum_{i=1}^N C_i G_i \right\} / \left\{ \sum_{i=1}^N C_i \right\} \dots \text{For each Semester,}$$



where 'i' is the Subject indicator index (taking into account all Subjects in a Semester), 'N' is the no. of Subjects 'REGISTERED' for the Semester (as specifically required and listed under the Course Structure of the parent Department), C_i is the no. of Credits allotted to the i^{th} Subject, and G_i represents the Grade Points (GP) corresponding to the Letter Grade awarded for that i^{th} Subject.

- 9.10** The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student over all Semesters considered for registration. The CGPA is the ratio of the Total Credit Points secured by a student in ALL registered Courses in ALL Semesters, and the Total Number of Credits registered in ALL the Semesters. CGPA is rounded off to TWO Decimal Places. CGPA is thus computed from the I Year Second Semester onwards, at the end of each Semester, as per the formula

$$\text{CGPA} = \left\{ \sum_{i=1}^M C_i G_i \right\} / \left\{ \sum_{i=1}^M C_i \right\} \dots \text{for all } S \text{ Semesters registered}$$

(ie., upto and inclusive of S Semesters, $S \geq 2$),

where 'M' is the TOTAL no. of Subjects (as specifically required and listed under the Course Structure of the parent Department) the Student has 'REGISTERED' for from the 1st Semester onwards upto and inclusive of the Semester S (obviously $M > N$), 'j' is the Subject indicator index (taking into account all Subjects from 1 to S Semesters), C_j is the no. of Credits allotted to the j^{th} Subject, and G_j represents the Grade Points (GP) corresponding to the Letter Grade awarded for that j^{th} Subject. After registration and completion of I Year I Semester however, the SGPA of that Semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
Course 1	4	A	9	$4 \times 9 = 36$
Course 2	4	O	10	$4 \times 10 = 40$
Course 3	4	C	7	$4 \times 7 = 28$
Course 4	3	B	8	$3 \times 8 = 24$
Course 5	3	A	10	$3 \times 10 = 30$
Course 6	3	C	7	$3 \times 7 = 21$
	Total Credits = 21			Total Credit Points = 179

$$\text{SGPA} = 179/21 = 8.52$$

Illustration of calculation of CGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
I Year I Semester				
Course 1	4	A	9	$4 \times 9 = 36$
Course 2	4	A	9	$4 \times 9 = 36$
Course 3	4	B	8	$4 \times 8 = 32$
Course 4	3	O	10	$3 \times 10 = 30$
Course 5	3	B	8	$3 \times 8 = 24$



Course 6	3	D	6	$3 \times 6 = 18$
I Year II Semester				
Course 7	4	B	8	$4 \times 8 = 32$
Course 8	4	O	10	$4 \times 10 = 40$
Course 9	4	A	9	$4 \times 9 = 36$
Course 10	3	D	6	$3 \times 6 = 18$
Course 11	3	C	7	$3 \times 7 = 21$
Course 12	3	A	9	$3 \times 9 = 27$
	Total Credits = 42			Total Credit Points = 350

$$\text{CGPA} = 350/42 = 8.33$$

10.0 Award of Degree and Class

10.1 If a student who registers for all the specified Subjects/ Courses as listed in the Course Structure, satisfies all the Course Requirements, and passes the examinations prescribed in the entire PG Programme (PGP), and secures the required number of 98 Credits (with CGPA ≥ 6.0), shall be declared to have 'QUALIFIED' for the award of the M.Pharm. Degree in the chosen specialization of Pharmacy that he was admitted into.

10.2 Award of Class

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

Class Awarded	CGPA
First Class with Distinction	≥ 7.50
First Class	$6.00 \leq \text{CGPA} < 7.49$
Second Class	$5.00 \leq \text{CGPA} < 5.99$

A student with final CGPA (at the end of the PGP) < 6.00 shall not be eligible for the Award of Degree.

11.0 Withholding of Results

If the student has not paid the dues, if any, to the University or if any case of indiscipline is pending against him, the result and degree of the student will be withheld and he will not be allowed into the next semester.

12.0 General


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

12.2 **Credit Point:** It is the product of grade point and number of credits for a course.

12.3 Wherever the words "he", "him", "his", occur in the regulations, they shall include "she", "her".



- 12.4 The academic regulation should be read as a whole for the purpose of any interpretation.
- 12.5 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the University is final.
- 12.6 The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.


PRINCIPAL
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Mangalpally (V), Ibrahimpatnam (M),
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**MALPRACTICES RULES****DISCIPLINARY ACTION FOR IMPROPER CONDUCT IN EXAMINATIONS**

S.No	Nature of Malpractices/Improper conduct	Punishment
	If the candidate:	
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 to 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 to 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 and forfeits the 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 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.
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the	Expulsion from the examination hall and cancellation of performance in that subject and



R22 M.Pharm. Academic Regulations

	question paper during the examination or answer book or additional sheet, during or after the examination.	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.
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. The candidates also are debarred and forfeit their seats. 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 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 and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
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.	

Malpractices identified by squad or special invigilators

1. Punishments to the candidates as per the above guidelines.
2. Punishment for institutions: (if the squad reports that the college is also involved in encouraging malpractices)
 - (i) A show cause notice shall be issued to the college.
 - (ii) Impose a suitable fine on the college.
 - (iii) Shifting the examination centre from the college to another college for a specific period of not less than one year



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

ACADEMIC REGULATIONS OF B.PHARM. (REGULAR/FULL TIME) STUDENTS
WITH EFFECT FROM THE ACADEMIC YEAR 2022-23 (R-22)

1.0 Under-Graduate Degree Programme in Pharmacy

- 1.1** JNTUH offers a 4-year (8 semesters) **Bachelor of Pharmacy (B.Pharm.)** degree programme, under Choice Based Credit System (CBCS) at its affiliated colleges with effect from the academic year 2022-23.

2.0 Eligibility for admission

- 2.1** Admission to the under graduate programme shall be made either on the basis of the merit rank obtained by the qualified candidate in entrance test conducted by the Telangana State Government (EAMCET) or the University or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the government from time to time.
- 2.2** The medium of instructions for the entire under graduate programme in Pharmacy will be **English only**.

3.0 B.Pharm. Programme structure

- 3.1** A student after securing admission shall pursue the under graduate programme in B.Pharm. in a minimum period of **four** academic years (8 semesters), and a maximum period of **eight** academic years (16 semesters) starting from the date of commencement of first year first semester, failing which student shall forfeit seat in B.Pharm course.

A student shall register for all subjects for covering **209 credits** and each student shall secure **209 credits** (with CGPA ≥ 6) required for the completion of the under graduate programme and award of the B.Pharm. degree.

- 3.2** **UGC/ PCI** specified definitions/ descriptions are adopted appropriately for various terms and abbreviations used in these academic regulations/ norms, which are listed below.

3.2.1 Semester scheme

Each under graduate programme is of **4 academic years (8 semesters)** with the academic year being divided into two semesters of **23 weeks (≥ 100 instructional days)** each, each semester shall have - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) as indicated by UGC and curriculum/ course structure as suggested by PCI are followed.

3.2.2 Credit courses

All subjects/ courses are to be registered by the student in a semester to earn credits which shall be assigned to each subject/ course in an L: T: P: C (lecture periods: tutorial periods: practical periods: credits) structure based on the following general pattern.

- One credit for one hour/ week/ semester for theory/ lecture (L) courses.

- One credit for two hours/ week/ semester for laboratory/ practical (P) courses or tutorials (T).
- Courses like Environmental Sciences, Human Values and Professional Ethics, Gender Sensitization Laboratory and student activities like NCC/NSO and NSS are identified as mandatory courses. These courses will not carry any credits.

3.2.3 Subject Course Classification

All subjects/ courses offered for the under graduate programme in Pharmacy (B.Pharm. degree programmes) are broadly classified as follows. The university has followed almost all the guidelines issued by PCI/UGC.

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1	Foundation Courses (FnC)	BS – Basic Sciences	Includes mathematics, physics and chemistry subjects.
2		PS - Pharmaceutical Sciences	Includes fundamental Pharmacy Subjects.
3		HS – Humanities and Social sciences	Includes subjects related to humanities, social sciences and management.
4	Core Courses (CoC)	PC – Professional Core	Includes core subjects related to the parent discipline.
5	Elective Courses (EiC)	OE – Open Electives	Includes elective subjects related to inter-disciplinary areas of Pharmacy or other than Pharmacy
6	Core Courses	Project Work	B.Pharm. project or UG project or UG major project
7		Seminar	Seminar/ Colloquium based on core contents related to parent discipline.
10	Minor courses	-	1 or 2 Credit courses (subset of HS)
11	Mandatory Courses (MC)	-	Mandatory courses (non-credit)

4.0 Course registration

- 4.1 A 'faculty advisor or counselor' shall be assigned to a group of 15 students, who will advise student about the under graduate programme, its course structure and curriculum, choice/option for subjects/ courses, based on their competence, progress, pre-requisites and interest.
- 4.2 The academic section of the college invites 'registration forms' from students before the beginning of the semester through 'on-line registration', ensuring 'date and time stamping'. The on-line registration requests for any 'current semester' shall be **completed before the commencement of semester end examinations of the 'preceding semester'**.
- 4.3 A student can apply for on-line registration, **only after** obtaining the 'written approval' from faculty advisor/counselor, which should be submitted to the college academic section through the Head of the Department. A copy of it shall be retained with Head of the Department, faculty advisor/ counselor and the student.
- 4.5 If the student submits ambiguous choices or multiple options or erroneous entries during **on-line** registration for the subject(s) / course(s) under a given/ specified course group/ category as listed in

the course structure, only the first mentioned subject/ course in that category will be taken into consideration.

- 4.6 Subject/ course options exercised through **on-line** registration are final and **cannot** be changed or inter-changed; further, alternate choices also will not be considered. However, if the subject/ course that has already been listed for registration by the Head of the Department in a semester could not be offered due to any unforeseen or unexpected reasons, then the student shall be allowed to have alternate choice either for a new subject (subject to offering of such a subject), or for another existing subject (subject to availability of seats). Such alternate arrangements will be made by the Head of the Department, with due notification and time-framed schedule, within the **first week** after the commencement of class-work for that semester.
- 4.7 **Open Electives:** Students have to choose one open elective (OE-I) in III year I semester, one (OE-II) in III year II semester, one (OE-III) in IV year I semester and one (OE-IV) in IV year II semester from the list of Open Electives.
- 5.0 **Subjects/ courses to be offered**
- 5.1 A typical section (or class) strength for each semester shall be 60.
- 5.2 A subject/ course may be offered to the students, **only if** a minimum of 20 students (1/3 of the section strength) opt for it. The maximum strength of a section is limited to 80 (60 + 1/3 of the section strength).
- 5.3 If more entries for registration of a subject come into picture, then the Head of Department shall decide, whether or not to offer such a subject/ course for **two (or multiple) sections**.
- 6.0 **Attendance requirements:**
- 6.1 Attendance in all Courses (Lectures/Laboratories/Seminar/Project Work) is compulsory. The minimum required attendance in aggregate of all the subjects/ courses including the attendance of mid-term examination/ Laboratory etc. is **80%**. Two periods of attendance for each theory subject shall be considered, if the student appears for the mid-term examination of that subject. A student shall not be permitted to appear for the Semester End Examinations (SEE), if his attendance is less than **80%** (excluding attendance in mandatory courses like Environmental Sciences, Human Values and Professional Ethics, Gender Sensitization Laboratory, NCC/NSO, NSS and Industrial Training) for that semester.
- 6.2 Condoning of shortage of attendance (between 70% and 80%) up to a maximum of 10% (considering the days of attendance in sports, games, NCC, NSS activities and Medical grounds) in each semester shall be granted by the College Academic Committee on genuine and valid grounds, based on the student's representation with supporting evidence.
- 6.3 A stipulated fee shall be payable towards condoning of shortage of attendance.
- 6.4 Shortage of attendance below 70% in aggregate shall in **no case be condoned**.
- 6.5 **Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their registration for that semester shall stand cancelled. They will not be promoted to the next semester. They may seek re-registration for all those subjects registered in that semester in which student was detained, by seeking re-admission into that semester as and when offered; in case if there are any open electives, the same may also be re-registered if offered. However, if those electives are not offered in later semesters, then alternate electives may be chosen from the same set of elective subjects offered under that category.**

- 6.6 A student fulfilling the attendance requirement in the present semester shall not be eligible for readmission into the same class.

7.0 Academic requirements

The following academic requirements have to be satisfied, in addition to the attendance requirements mentioned in item no. 6.

- 7.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course, if student secures not less than 40% marks (30 out of 75 marks) in the semester end examination, and a minimum of 50% of marks in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of letter grades, this implies securing 'D' grade or above in that subject/ course. For practicals/laboratory courses, a student should secure not less than 50% of marks in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of letter grades, this implies securing 'D' grade or above.
- 7.2 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to Practice School (or) Industrial Training if the student secures not less than 50% marks (i.e. 50 out of 100 allotted marks) in each of them. The student is deemed to have failed, if he (i) does not submit a report on Practice School (or) Industrial Training, (ii) does not make a presentation of the same before the evaluation committee as per schedule, or (iii) secures less than 50% marks in Practice School (or) Industrial Training evaluations.
A student may reappear once for each of the above evaluations, when they are scheduled again; if the student fails in such 'one reappearance' evaluation also, the student has to reappear for the same in the next subsequent semester, as and when it is scheduled.

7.3 Promotion Rules

S. No.	Promotion	Conditions to be fulfilled
1	First year to second year	Regular course of study of first year.
2	Second year to third year	(i) Regular course of study of second year. (ii) Must have passed all the subjects/ courses up to I Year II Semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3	Third year to fourth year	(i) Regular course of study of third year. (ii) Must have passed all the subjects/ courses up to II Year II Semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.

- 7.3 A student shall register for all subjects covering **209 credits** as specified and listed in the course structure, fulfills all the attendance and academic requirements for 209 credits, 'earn all 209 credits' by securing SGPA ≥ 6.0 (in each semester) and CGPA (at the end of each successive semester) ≥ 6.0 to successfully complete the under graduate programme.
- 7.4 After securing the necessary 209 credits as specified for the successful completion of the entire under graduate programme, the student shall be eligible to get his CGPA and shall be indicated in the grade card of IV year II semester. However, the performance of student in the earlier individual semesters, with the corresponding SGPA and CGPA for which grade cards have already been given will not be altered.

- 7.5 If a student registers for some more 'extra subjects' other than those listed subjects totaling to 209 credits as specified in the course structure, the performances in those 'extra subjects' (although evaluated and graded using the same procedure as that of the required 209 credits) will not be considered while calculating the SGPA and CGPA. For such 'extra subjects' registered, % of marks and letter grade alone will be indicated in the grade card as a performance measure, subject to completion of the attendance and academic requirements as stated in regulations 6 and 7.1 – 7.4 above.
- 7.6 A student eligible to appear in the end semester examination for any subject/ course, but absent from it or failed (thereby failing to secure 'D' grade or above) may reappear for that subject/ course in the supplementary examination as and when conducted. In such cases, CIE assessed earlier for that subject/ course will be carried over, and added to the marks to be obtained in the SEE supplementary examination for evaluating performance in that subject.
- 7.7 A student detained in a semester due to shortage of attendance, may be re-admitted when the same semester is offered in the next academic year for fulfillment of academic requirements. The academic regulations under which student has been readmitted shall be applicable. However, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which student has been detained.
- 7.8 A student detained due to unfulfillment of promotion rules, shall be promoted to the next academic year only after fulfilling the promotion rules. The academic regulations under which student has been readmitted shall be applicable to him.

- Note: (1) The SGPA will be computed and printed on the marks memo only if the candidate passes in all the subjects offered and gets minimum 'D' grade in all the subjects.
- (2) CGPA is calculated only when the candidate passes in all the subjects offered in all the semesters.

8.0 Evaluation - Distribution and Weightage of marks

- 8.1 The performance of a student in every theory subject/course will be evaluated for 100 marks, with 25 marks allotted for CIE (Continuous Internal Evaluation) and 75 marks for SEE (Semester End-Examination).
- 8.2 In CIE, for theory subjects, during a semester, there shall be two mid-term examinations. Each Mid-Term examination consists of two parts i) **Part – A** for 10 marks, ii) **Part – B** for 10 marks with a total duration of 2 hours as follows:
1. Mid Term Examination for 20 marks:
 - a. Part - A: 10 Multiple Choice/ Objective Questions paper for 10 marks.
 - b. Part - B: Descriptive paper for 10 marks. Long Answer Questions for 5 marks (answer 1 out of 2). Short Answer Questions for 5 marks (answer 2 out of 3, each carries 2.5 marks).

While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus.

Five (5) marks are allocated for assignments (as specified by the subject teacher concerned). The first assignment should be submitted before the conduct of the first mid-term examination, and the second assignment should be submitted before the conduct of the second mid-term examination. The average of the two assignments shall be taken as the final marks for assignment (for 5 marks).

The average of marks secured in the Two Mid-term examinations, along with the average marks secured in the two assignments will be considered as the final marks secured by a student in the CIE.

8.3 The details of the end semester question paper pattern are as follows,

- The end semester examinations will be conducted for 75 marks consisting of two parts viz. i) **Part- A** for 25 marks, ii) **Part - B** for 50 marks.
- Part-A is compulsory question which consists of fifteen sub-questions. The first ten sub-questions are of Objective type/ Multiple Choice Questions, 2 from each unit and carry 1 mark each. The next five sub-questions are Short Answer Questions one from each unit and carry 3 marks each.
- Part-B consists of five Long Answer Questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there will be an "either" "or" choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

8.3 For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 15 marks and 35 marks for semester end examination. Out of the 15 marks for internal evaluation:

1. A write-up on day-to-day experiment in the laboratory (in terms of aim, components/procedure, expected outcome) which shall be evaluated for 5 marks
2. 5 marks for viva-voce in the course concerned.
3. Internal practical examination conducted by the laboratory teacher concerned shall be evaluated for 5 marks.

The Semester End Examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the cluster/other colleges which will be decided by the examination branch of the University.

In the Semester End Examination held for 3 hours, total 35 marks are divided and allocated as shown below:

1. 05 marks for Synopsis
2. 25 for experiment
3. 05 marks for viva-voce on concerned laboratory course

A student has to secure 25 marks (i.e. 50% out of the 50 marks) allotted for CIE and SEE taken together.

8.4 There shall be an Industrial Training in IV year I semester. For the Industrial Training, the student 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 IV year I semester and before the commencement of IV year II semester, the student shall submit satisfactory report of the work and certificate duly signed by the authority of training organization to the head of the institute.

8.5 **Practice School:** In the IV year I semester, every candidate shall undergo a 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 departmental 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). The report shall be submitted to the departmental committee consisting of Head of the Institution, Head of the Department and a senior faculty member. The practice school report shall be evaluated for 100 marks and grade point shall be awarded.

- 8.6 All the students shall undertake a UG major 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 (Internal Evaluation):

Objective(s) of the work done	- 15 Marks
Methodology adopted	- 20 Marks
Results and Discussions	- 20 Marks
Conclusions and Outcomes	- 20 Marks
Total	- 75 Marks

Evaluation of Presentation (External Evaluation):

Presentation of work	- 25 Marks
Communication skills	- 20 Marks
Viva-Voce	- 30 Marks
Total	- 75 Marks

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. A student has to secure 75 marks (i.e. 50% of the allotted 150 marks) to be declared successful in the project.

- 8.7 For mandatory courses Environmental Science, Human Values and Professional Ethics, Gender Sensitization Lab and Industrial Training a student has to secure 50 marks out of 100 marks (i.e. 50% of the marks allotted) in the continuous internal evaluation for passing the subject/course.
- 8.8 For mandatory courses NCC/NSO and NSS, a 'satisfactory participation certificate' shall be issued to the student from the authorities concerned, only after securing $\geq 80\%$ attendance in such a course.
- 8.9 No marks or letter grade shall be allotted for all mandatory/non-credit courses.
- 9.0 **Grading procedure**
- 9.1 Marks will be awarded to indicate the performance of student in each theory subject, laboratory / practicals and UG major project. Based on the percentage of marks obtained (Continuous Internal Evaluation plus Semester End Examination, both taken together) as specified in item 8 above, a corresponding letter grade shall be given.
- 9.2 As a measure of the performance of student, a 10-point absolute grading system using the following letter grades (as per UGC/ PCI guidelines) and corresponding percentage of marks shall be followed:

% of Marks Secured in a Subject/Course (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
Greater than or equal to 90%	O (Outstanding)	10
80 and less than 90%	A (Excellent)	9
70 and less than 80%	B (Good)	8
60 and less than 70%	C (Fair)	7

50 and less than 60%	D (Average)	6
Below 50%	F (FAIL)	0
Absent	Ab	0

- 9.3 A student obtaining 'F' grade in any subject shall be deemed to have 'failed' and is required to reappear as a 'supplementary student' in the semester end examination, as and when offered. In such cases, internal marks in those subjects will remain the same as those obtained earlier.
- 9.4 A student who has not appeared for examination in any subject, 'Ab' grade will be allocated in that subject, and student shall be considered 'failed'. Student will be required to reappear as a 'supplementary student' in the semester end examination, as and when offered.
- 9.5 A letter grade does not indicate any specific percentage of marks secured by the student, but it indicates only the range of percentage of marks.
- 9.6 A student earns grade point (GP) in each subject/ course, on the basis of the letter grade secured in that subject/ course. The corresponding 'credit points' (CP) are computed by multiplying the grade point with credits for that particular subject/ course.

Credit points (CP) = grade point (GP) x credits For a course

- 9.7 The student passes the subject/ course only when $GP \geq 6$ ('D' grade or above)
- 9.8 The semester grade point average (SGPA) is calculated by dividing the sum of credit points (ΣCP) secured from all subjects/ courses registered in a semester, by the total number of credits registered during that semester. SGPA is rounded off to two decimal places. SGPA is thus computed as

$$SGPA = \{ \sum_{i=1}^N C_i G_i \} / \{ \sum_{i=1}^N C_i \} \dots \text{For each semester,}$$

where 'i' is the subject indicator index (takes into account all subjects in a semester), 'N' is the no. of subjects 'registered' for the semester (as specifically required and listed under the course structure of the parent department), C_i is the no. of credits allotted to the i^{th} subject, and G_i represents the grade points (GP) corresponding to the letter grade awarded for that i^{th} subject.

- 9.9 The cumulative grade point average (CGPA) is a measure of the overall cumulative performance of a student in all semesters considered for registration. The CGPA is the ratio of the total credit points secured by a student in all registered courses in all semesters, and the total number of credits registered in all the semesters. CGPA is rounded off to two decimal places. CGPA is thus computed from the I year II semester onwards at the end of each semester as per the formula

$$CGPA = \{ \sum_{j=1}^M C_j G_j \} / \{ \sum_{j=1}^M C_j \} \dots \text{for all S semesters registered}$$

(i.e., up to and inclusive of S semesters, $S \geq 2$),

where 'M' is the total no. of subjects the student has 'registered' i.e., from the 1st semester onwards up to and inclusive of the 8th semester, 'j' is the subject indicator index (takes into account all subjects from 1 to 8 semesters), C_j is the no. of credits allotted to the j^{th} subject, and G_j represents the grade points (GP) corresponding to the letter grade awarded for that j^{th} subject. After registration and completion of first year first semester, the SGPA of that semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
Course 1	4	A	9	$4 \times 9 = 36$
Course 2	4	O	10	$4 \times 10 = 40$

Course 3	4	C	7	$4 \times 7 = 28$
Course 4	3	B	8	$3 \times 8 = 24$
Course 5	3	A	10	$3 \times 10 = 30$
Course 6	3	C	7	$3 \times 7 = 21$
	Total Credits = 21			Total Credit Points = 179

$$\text{SGPA} = 179/21 = 8.52$$

Illustration of calculation of CGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
I Year I Semester				
Course 1	4	A	9	$4 \times 9 = 36$
Course 2	4	A	9	$4 \times 9 = 36$
Course 3	4	B	8	$4 \times 8 = 32$
Course 4	3	O	10	$3 \times 10 = 30$
Course 5	3	B	8	$3 \times 8 = 24$
Course 6	3	D	6	$3 \times 6 = 18$
I Year II Semester				
Course 7	4	B	8	$4 \times 8 = 32$
Course 8	4	O	10	$4 \times 10 = 40$
Course 9	4	A	9	$4 \times 9 = 36$
Course 10	3	D	6	$3 \times 6 = 18$
Course 11	3	C	7	$3 \times 7 = 21$
Course 12	3	A	9	$3 \times 9 = 27$
	Total Credits = 42			Total Credit Points = 350

$$\text{CGPA} = 350/42 = 8.33$$

9.10 For merit ranking or comparison purposes or any other listing, only the 'rounded off' values of the CGPAs will be used.

9.11 For calculations listed in regulations 9.6 to 9.9, performance in failed subjects/ courses (securing 'F' grade) will also be taken into account, and the credits of such subjects/ courses will also be included in the multiplications and summations. After passing the failed subject(s) newly secured letter grades will be taken into account for calculation of SGPA and CGPA. However, mandatory courses will not be taken into consideration.

10.0 Passing standards

10.1 A student shall be declared successful or 'passed' in a semester, if student secures a $\text{GP} \geq 6$ ('D' grade or above) in every subject/course in that semester (i.e. when student gets an $\text{SGPA} \geq 6.00$ at the end of that particular semester); and a student shall be declared successful or 'passed' in the entire under graduate programme, only when gets a $\text{CGPA} \geq 6.00$ for the award of the degree as required.

10.2 After the completion of each semester, a grade card or grade sheet (or transcript) shall be issued to all the registered students of that semester, indicating the letter grades and credits earned. It will

show the details of the courses registered (course code, title, no. of credits, and grade earned etc.), credits earned, SGPA, and CGPA.

11.0 Declaration of results

- 11.1 Computation of SGPA and CGPA are done using the procedure listed in 9.6 to 9.9.
- 11.2 For final percentage of marks equivalent to the computed final CGPA, the following formula may be used.

$$\% \text{ of Marks} = (\text{final CGPA} - 0.5) \times 10$$

12.0 Award of degree

- 12.1 A student who registers for all the specified subjects/ courses as listed in the course structure and secures the required number of 209 credits (with CGPA ≥ 6.0), within 8 academic years from the date of commencement of the first academic year, shall be declared to have 'qualified' for the award of the B.Pharm. degree.
- 12.2 A student who qualifies for the award of the degree as listed in item 12.1 shall be placed in the following classes.
- 12.3 Students with final CGPA (at the end of the under graduate programme) ≥ 7.50 , and fulfilling the following conditions -
- (i) Should have passed all the subjects/courses in 'first appearance' within the first 4 academic years (or 8 sequential semesters) from the date of commencement of first year first semester.
 - (ii) Should not have been detained or prevented from writing the end semester examinations in any semester due to shortage of attendance or any other reason, shall be placed in 'first class with distinction'.
- 12.4 Students with final CGPA (at the end of the under graduate programme) ≥ 6.00 but < 7.50 , shall be placed in 'first class'.
- 12.5 Students with final CGPA (at the end of the under graduate programme) ≥ 5.00 but < 6.00 , shall be placed in 'second class'.
- 12.6 A student with final CGPA (at the end of the under graduate programme) < 5.00 will not be eligible for the award of the degree.
- 12.7 Students fulfilling the conditions listed under item 12.3 alone will be eligible for award of 'university rank' and 'gold medal'.

13.0 Withholding of results

- 13.1 If the student has not paid the fees to the university/ college at any stage, or has dues pending due to any reason whatsoever, or if any case of indiscipline is pending, the result of the student may be withheld, and student will not be allowed to go into the next higher semester. The award or issue of the degree may also be withheld in such cases.

14.0 Transitory regulations

A. For students detained due to shortage of attendance:

1. A Student who has been detained in I year of R15/R16/R17 Regulations due to lack of attendance, shall be permitted to join I year I Semester of R22 Regulations and he is required to complete the

study of B. Pharmacy programme within the stipulated period of eight academic years from the date of first admission in I Year.

2. A student who has been detained in any semester of II, III and IV years of R15/R16/R17 regulations for want of attendance, shall be permitted to join the corresponding semester of R22 regulations and is required to complete the study of B. Pharmacy within the stipulated period of eight academic years from the date of first admission in I Year. The R22 Academic Regulations under which a student has been readmitted shall be applicable to that student from that semester.

See rule (C) for further Transitory Regulations.

B. For students detained due to shortage of credits:

3. A student of R15/R16/R17 Regulations who has been detained due to lack of credits, shall be promoted to the next semester of R22 Regulations only after acquiring the required credits as per the corresponding regulations of his/her first admission. The student is required to complete the study of B. Pharmacy within the stipulated period of eight academic years from the year of first admission. The R22 Academic Regulations are applicable to a student from the year of readmission onwards.

See rule (C) for further Transitory Regulations.

C. For readmitted students in R22 Regulations:

4. A student who has failed in any subject under any regulation has to pass those subjects in the same regulations.
5. The maximum credits that a student acquires for the award of degree, shall be the sum of the total number of credits secured in all the regulations of his/her study including R22 Regulations.
6. If a student readmitted to R22 Regulations, has any subject with 80% of syllabus common with his/her previous regulations, that particular subject in R22 Regulations will be substituted by another subject to be suggested by the University.

Note: If a student readmitted to R22 Regulations, has not studied any subjects/topics in his/her earlier regulations of study which is prerequisite for further subjects in R22 Regulations, the College Principals concerned shall conduct remedial classes to cover those subjects/ topics for the benefit of the students.

15.0 Student transfers

15.1 There shall be no transfers from one college to another within the constituent colleges and units of Jawaharlal Nehru Technological University Hyderabad.


15.3 The students seeking transfer to colleges affiliated to JNTUH from various other Universities/institutions have to pass the failed subjects which are equivalent to the subjects of JNTUH, and also pass the subjects of JNTUH which the students have not studied at the earlier institution. Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of JNTUH, the students have to study those subjects in JNTUH in spite of the fact that those subjects are repeated.

15.4 The transferred students from other Universities/institutions to JNTUH affiliated colleges who are on rolls to be provide one chance to write the CBT (internal marks) in the **failed subjects and/or subjects not studied** as per the clearance letter issued by the university.

15.5 The autonomous affiliated colleges have to provide one chance to write the internal examinations in the **failed subjects and/or subjects not studied**, to the students transferred from other universities/institutions to JNTUH autonomous affiliated colleges who are on rolls, as per the clearance (equivalence) letter issued by the University.

16.0 Scope

- 16.1** The academic regulations should be read as a whole, for the purpose of any interpretation.
- 16.2** In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- 16.3** The university may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made shall be applicable to all students with effect from the date notified by the university authorities.


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
(Established by Act No. 30 of 2008)
Kukatpally, Hyderabad, Telangana (India).

Academic Regulations for B.Pharm. (Lateral Entry Scheme) w.e.f the AY 2023-24

1. Eligibility for award of B. Pharm. Degree (LES)

The LES students after securing admission shall pursue a course of study for not less than three academic years and not more than six academic years.

2. The student shall register for 153 credits and secure 153 credits with CGPA ≥ 6.00 from II year to IV year B.Pharm. programme (LES) for the award of B.Pharm. degree.
3. The students, who fail to fulfil the requirement for the award of the degree in six academic years from the year of admission, shall forfeit their seat in B.Pharm.
4. The attendance requirements of B. Pharm. (Regular) shall be applicable to B.Pharm. (LES).

5. Promotion rule

S. No	Promotion	Conditions to be fulfilled
1	Second year to third year	Regular course of study of second year.
2	Third Year to fourth year	(i) Regular course of study of third year. (ii) Must have passed all the subjects/ courses up to II Year II Semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.

6. All the other regulations as applicable to B. Pharm. 4-year degree course (Regular) will hold good for B. Pharm. (Lateral Entry Scheme).

MALPRACTICES RULES

DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractice/Improper conduct	Punishment
	If the student:	
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 student is appearing but has not made use of (material shall include any marks on the body of the student 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 student orally or by any other body language methods or communicates through cell phones with any student 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 students 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 student is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The hall ticket of the student is to be cancelled and sent to the university.
3.	Impersonates any other student in connection with the examination.	The student who has impersonated shall be expelled from examination hall. The student is also debarred and forfeits the seat. The performance of the original student who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and UG major project) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student 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.
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 student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student 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.
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	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 student(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The students also are debarred and forfeit their seats. In case of outsiders, they will be

	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.	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 student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student 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 student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.
9.	If student of the college, who is not a student 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 student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student 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 student has already appeared including practical examinations and UG major project 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 and all other subjects the student has appeared including practical examinations and UG major project of that semester/year examinations.
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.	
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Malpractices Identified by squad or special invigilators

1. Punishments to the students as per the above guidelines.
2. Punishment for institutions : (if the squad reports that the college is also involved in encouraging malpractices)
 - a. A show cause notice shall be issued to the college.
 - b. Impose a suitable fine on the college.
 - c. Shifting the examination centre from the college to another college for a specific period of not less than one year.


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भारत का राजपत्र The Gazette of India

साप्ताहिक/WEEKLY

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 4

[PART III—SECTION 4]

[सांविधिक निकायों द्वारा जारी की गई विविध अधिसूचनाएं जिसमें कि आदेश, विज्ञापन और सूचनाएं सम्मिलित हैं]
[Miscellaneous Notifications including Notifications, Orders, Advertisements and Notices issued by
Statutory Bodies]

भारतीय रिज़र्व बैंक


मुंबई-400001, दिनांक 9 अप्रैल 2008

संदर्भ : बैंपविवि. सं. आईबीडी.-14241/23.13.048/2007-08--भारतीय रिज़र्व बैंक अधिनियम, 1934 (1934 का 2) की धारा 42 की उप-धारा (6) के खण्ड (ग) के अनुसरण में भारतीय रिज़र्व बैंक इसके द्वारा निदेश देता है कि उक्त अधिनियम की दूसरी अनुसूची में निम्नलिखित परिवर्तन किये जाएं :--

“अरब बांग्लादेश बैंक लिमिटेड” शब्दों के स्थान पर “एबी बैंक लिमिटेड” शब्द होंगे।

आनन्द सिन्हा

कार्यपालक निदेशक


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[PUBLISHED IN THE GAZETTE OF INDIA, No.19, PART III, SECTION 4]

Ministry of Health and Family Welfare
(Pharmacy Council of India)

New Delhi, 10th May, 2008.

Pharm.D. Regulations 2008

Regulations framed under section 10 of the Pharmacy Act, 1948 (8 of 1948).

(As approved by the Government of India, Ministry of Health vide, letter No.V.13013/1/2007-PMS, dated the 13th March, 2008 and notified by the Pharmacy Council of India).

No.14-126/2007-PCI.— In exercise of the powers conferred by section 10 of the Pharmacy Act, 1948 (8 of 1948), the Pharmacy Council of India, with the approval of the Central Government, hereby makes the following regulations, namely:-

CHAPTER-I

1. Short title and commencement. – (1) These regulations may be called the Pharm.D. Regulations 2008.
(2) They shall come into force from the date of their publication in the official Gazette.
2. Pharm.D. shall consist of a certificate, having passed the course of study and examination as prescribed in these regulations, for the purpose of registration as a pharmacist to practice the profession under the Pharmacy Act, 1948.



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CHAPTER-II

3. Duration of the course. –

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

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

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

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

Phase I – consisting of First and Second academic year.

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

4. Minimum qualification for admission to. –

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

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

Mathematics or Biology.

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

(3) Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

Provided that a student should complete the age of 17 years on or before 31st December of the year of admission to the course.

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.


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b) Pharm.D. (Post Baccalaureate) Course -

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

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

5. Number of admissions in the above said programmes shall be as prescribed by the Pharmacy Council of India from time to time and presently be restricted as below –
 - i) Pharm.D. Programme – 30 students.
 - ii) Pharm.D. (Post Baccalaureate) Programme – 10 students.
6. Institutions running B.Pharm programme approved under section 12 of the Pharmacy Act, will only be permitted to run Pharm.D. programme. Pharm.D. (Post Baccalaureate) programme will be permitted only in those institutions which are permitted to run Pharm.D. programme.
7. Course of study. – The course of study for Pharm.D. shall include the subjects as given in the Tables below. The number of hours in a week, devoted to each subject for its teaching in theory, practical and tutorial shall not be less than that noted against it in columns (3), (4) and (5) below.

TABLES

First Year :

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
1.1	Human Anatomy and Physiology	3	3	1
1.2	Pharmaceutics	2	3	1
1.3	Medicinal Biochemistry	3	3	1
1.4	Pharmaceutical Organic Chemistry	3	3	1
1.5	Pharmaceutical Inorganic Chemistry	2	3	1
1.6	Remedial Mathematics/ Biology	3	3*	1
	Total hours	16	18	6 = (40)


* For Biology

Second Year:

S.No	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
2.1	Pathophysiology	3	-	1
2.2	Pharmaceutical Microbiology	3	3	1
2.3	Pharmacognosy & Phytopharmaceuticals	3	3	1
2.4	Pharmacology-I	3	-	1
2.5	Community Pharmacy	2	-	1
2.6	Pharmacotherapeutics-I	3	3	1
	Total Hours	17	9	6 = 32

Third Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
3.1	Pharmacology-II	3	3	1
3.2	Pharmaceutical Analysis	3	3	1
3.3	Pharmacotherapeutics-II	3	3	1
3.4	Pharmaceutical Jurisprudence	2	-	-
3.5	Medicinal Chemistry	3	3	1
3.6	Pharmaceutical Formulations	2	3	1
	Total hours	16	15	5 = 36


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Fourth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical/ Hospital Posting	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
4.1	Pharmacotherapeutics-III	3	3	1
4.2	Hospital Pharmacy	2	3	1
4.3	Clinical Pharmacy	3	3	1
4.4	Biostatistics & Research Methodology	2	-	1
4.5	Biopharmaceutics & Pharmacokinetics	3	3	1
4.6	Clinical Toxicology	2	-	1
	Total hours	15	12	6 = 33

Fifth Year:

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

* Attending ward rounds on daily basis.

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

8. Syllabus. – The syllabus for each subject of study in the said Tables shall be as specified in Appendix -A to these regulations.
9. Approval of the authority conducting the course of study. – (1) No person, institution, society or university shall start and conduct Pharm.D or Pharm.D. (Post Baccalaureate) programme without the prior approval of the Pharmacy Council of India.
- (2) Any person or pharmacy college for the purpose of obtaining permission under sub-section (1) of section 12 of the Pharmacy Act, shall submit a scheme as prescribed by the Pharmacy Council of India.
- (3) The scheme referred to in sub-regulation (2) above, shall be in such form and contain such particulars and be preferred in such manner and be accompanied with such fee as may be prescribed:
- Provided that the Pharmacy Council of India shall not approve any institution under these regulations unless it provides adequate arrangements for teaching in regard to building, accommodation, labs., equipments, teaching staff, non-teaching staff, etc., as specified in Appendix-B to these regulations.
10. 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.
- (3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Tables 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

* for Biology.

Second Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
2.1	Pathophysiology	70	30	100	-	-	-
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	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	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			400 = 1000

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

11. Eligibility for appearing Examination.— Only such students who produce certificate from the Head of the Institution in which he or she has undergone the Pharm.D. or as the case may be, the Pharm.D. (Post Baccalaureate) course, in proof of his or her having regularly and satisfactorily undergone the course of study by attending not less than 80% of the classes held both in theory and in practical separately in each subject shall be eligible for appearing at examination.

12. Mode of examinations.— (1) Theory examination shall be of three hours and practical examination shall be of four hours duration.

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

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

(4) Clerkship examination – Oral examination shall be conducted after the completion of clerkship of students. An external and an internal examiner will evaluate the student. Students may be asked to present the allotted medical cases followed by discussion. Students' capabilities in delivering clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.

13. 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 two 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).

14. 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 in a single attempt 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 any subject or subjects shall be declared to have passed with distinction in the subject or those subjects provided he or she passes in all the subjects in a single attempt.
15. 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 two subjects shall debar him, or her from promotion to the next year classes.
16. 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 Appendix-C to these regulations.
17. Approval of examinations.— Examinations mentioned in regulations 10 to 12 and 14 shall be held by the examining authority hereinafter referred to as the university, which shall be approved by the Pharmacy Council of India under sub-section (2) of section 12 of the Pharmacy Act, 1948. Such approval shall be granted only if the examining authority concerned fulfills the conditions as specified in Appendix-D to these regulations.
18. 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.


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CHAPTER-III Practical training

19. 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.
20. 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.
21. 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.
22. Methodology.— To complete the project work following methodology shall be adopted, namely:—
- (i) students shall work in groups of not less than *two* and not more than *four* under an authorised teacher;
 - (ii) project topic shall be approved by the Head of the Department or Head of the Institution;
 - (iii) project work chosen shall be related to the pharmacy practice in community, hospital and clinical setup. It shall be patient and treatment (Medicine) oriented, like drug utilisation reviews, pharmacoepidemiology, pharmacovigilance or pharmacoeconomics;
 - (iv) project work shall be approved by the institutional ethics committee;
 - (v) student shall present at least three seminars, one in the beginning, one at middle and one at the end of the project work; and
 - (vi) two-page write-up of the project indicating title, objectives, methodology anticipated benefits and references shall be submitted to the Head of the Department or Head of the Institution.

23. 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.

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

(i) Project work shall be evaluated by internal and external examiners.

(ii) Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of four students).

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

(iv) Evaluation shall be done on the following items:

	Marks
a) Write up of the seminar	(7.5)
b) Presentation of work	(7.5)
c) Communication skills	(7.5)
d) Question and answer skills	(7.5)
Total	(30 marks)

(v) Final evaluation of project work shall be done on the following items: Marks

a) Write up of the seminar	(17.5)
b) Presentation of work	(17.5)
c) Communication skills	(17.5)
d) Question and answer skills	(17.5)
Total	(70 marks)

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

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ACADEMIC CALENDAR 2023-24

PHARM. D (REGULAR) AND PHARM. D (PB) II YEAR

Pharm. D (Regular) and Pharm. D (PB) II Year

S. No	Description	Duration	
		From	To
1	Commencement of classwork	01.11.2023	
2	1 st Spell of Instructions	01.11.2023	30.01.2024 (13 Weeks)
3	First Mid Term Examinations	31.01.2024	05.02.2024 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	09.02.2024	
5	2 nd Spell of Instructions	06.02.2024	01.05.2024 (12 Weeks)
6	Supplementary Examinations	18.03.2024	23.03.2024 (1 Week)
7	Second Mid Term Examinations	02.05.2024	07.05.2024 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	10.05.2024	
9	3 rd Spell of Instructions (including summer vacation)	08.05.2024	13.08.2024 (14 Weeks)
10	Summer vacation	13.05.2024	25.05.2024 (2 Weeks)
11	Third Mid Term Examinations	14.08.2024	20.08.2024 (1 Week)
12	Preparation Holidays and Practical Examinations	21.08.2024	03.09.2024 (2 Weeks)
13	Submission of Third Mid Term Exam Marks to the University on or before	28.08.2024	
14	End / Supplementary Examinations	04.09.2024	20.09.2024 (2 Weeks)

Note: No. of Working / Instructional Days: 200

S. Tan Kalyan
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ACADEMIC CALENDAR 2023-24

Pharm. D (Regular) and Pharm. D (PB) III Year

Pharm. D (Regular) III Year

S. No	Description	Duration	
		From	To
1	Commencement of classwork		19.09.2023
2	1 st Spell of Instructions (including Dussehra Recess)	19.09.2023	23.12.2023 (13 Weeks)
3	Dussehra Recess	23.10.2023	28.10.2023 (1 Week)
4	First Mid Term Examinations	27.12.2023	03.01.2024 (1 Week)
5	2 nd Spell of Instructions	04.01.2024	30.03.2024 (12 Weeks)
6	Submission of First Mid Term Exam Marks to the University on or before		09.01.2024
7	Supplementary Examinations	05.02.2024	12.02.2024
8	Second Mid Term Examinations	01.04.2024	06.04.2024 (1 Week)
9	3 rd Spell of Instructions	08.04.2024	12.07.2024 (14 Weeks)
10	Submission of Second Mid Term Exam Marks to the University on or before		12.04.2024
11	Summer Vacation	13.05.2024	25.05.2024 (2 Weeks)
12	Third Mid Term Examinations	15.07.2024	20.07.2024 (1 Week)
13	Preparation Holidays and Practical Examinations	22.07.2024	03.08.2024 (2 Weeks)
14	Submission of Third Mid Term Exam Marks to the University on or before		27.07.2024
15	End / Supplementary Examinations	05.08.2024	17.08.2024 (2 Weeks)

Note: No. of Working / Instructional Days: 202

Pharm. D (PB) III Year

S. No	Description	Duration	
		From	To
1	Commencement of internship in general ward	19.09.2023	18.03.2024 (6 Months)
2	Report submission of internship in general ward		19.03.2024
3	Commencement of internship in Specialty ward -1	20.03.2024	18.05.2024 (Months)
4	Report submission of internship in Specialty ward -1		20.05.2024
5	Commencement of internship in Specialty ward -2	21.05.2024	20.07.2024 (Months)
6	Report submission of internship in Specialty ward-2		22.07.2024
7	Commencement of internship in Specialty ward -3	23.07.2024	21.09.2024 (2 Months)
8	Report submission of internship in Specialty ward -3		23.09.2024
9	Final viva of Internship		30.09.2024

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Revised ACADEMIC CALENDAR 2023-24

Pharm D. (Regular) IV Year

Pharm. D. (Regular) IV Year

S. No	Description	Duration	
		From	To
1	Commencement of classwork	25.07.2023	
2	1 st Spell of Instructions	25.07.2023	13.10.2023 (12 Weeks)
3	First Mid Term Examinations	16.10.2023	21.10.2023 (1 Week)
	Dussehra Recess	23.10.2023	28.10.2023 (1 Week)
4	2 nd Spell of Instructions	30.10.2023	27.01.2024 (12 Weeks)
5	Submission of First Mid Term Exam Marks to the University on or before	04.11.2023	
6	Supplementary Examinations	06.11.2023	13.11.2023
7	Second Mid Term Examinations	29.01.2024	02.02.2024 (1 Week)
8	3 rd Spell of Instructions	03.02.2024	04.05.2024 (13 Weeks)
9	Submission of Second Mid Term Exam Marks to the University on or before	09.02.2024	
10	Third Mid Term Examinations	06.05.2024	11.05.2024 (1 Week)
11	Summer Vacation	13.05.2024	25.05.2024 (2 Weeks)
12	Submission of Third Mid Term Exam Marks to the University on or before	27.05.2024	
13	Preparation Holidays and Practical Examinations	27.05.2024	01.06.2024 (1 Week)
14	End / Supplementary Examinations	03.06.2024	15.06.2024 (2 Weeks)

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ACADEMIC CALENDAR 2023-24


Pharm D. (Regular) V & VI Year

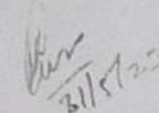
Pharm. D. (Regular) V Year

S. No	Description	Duration	
		From	To
1	Commencement of classwork	29.05.2023	
2	1 st Spell of Instructions	29.05.2023	19.08.2023 (12 Weeks)
3	First Mid Term Examinations	21.08.2023	26.08.2023 (1 Week)
4	2 nd Spell of Instructions (including Dussehra Recess)	28.08.2023	25.11.2023 (13 Weeks)
5	Submission of First Mid Term Exam Marks to the University on or before	02.09.2023	
6	Supplementary Examinations	04.09.2023	09.09.2023 (1 Week)
7	Dussehra Recess	23.10.2023	28.10.2023 (1 Week)
8	Second Mid Term Examinations	28.11.2023	02.12.2023 (1 Week)
9	3 rd Spell of Instructions	04.12.2023	24.02.2024 (12 Weeks)
10	Submission of Second Mid Term Exam Marks to the University on or before	08.12.2023	
11	Third Mid Term Examinations	26.02.2024	02.03.2024 (1 Week)
12	Preparation Holidays and Practical Examinations	04.03.2024	16.03.2024 (2 Weeks)
13	Submission of Third Mid Term Exam Marks to the University on or before	16.03.2024	
14	End / Supplementary Examinations	18.03.2024	30.03.2024 (2 Weeks)

Pharm. D (Regular) VI Year

S. No	Description	Duration	
		From	To
1	Commencement of internship in General ward	29.05.2023	28.11.2023 (6 Months)
2	Report submission of internship in General ward	29.11.2023	
3	Commencement of internship in Specialty ward -1	30.11.2023	29.01.2024 (2 Months)
4	Report submission of internship in Specialty ward -1	30.01.2024	
5	Commencement of internship in Specialty ward -2	31.01.2024	29.03.2024 (2 Months)
6	Report submission of internship in Specialty ward-2	30.03.2024	
7	Commencement of internship in Specialty ward -3	01.04.2024	31.05.2024 (2 Months)
8	Report submission of internship in Specialty ward -3	01.06.2024	
9	Final viva of internship	04.06.2024	


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ACADEMIC CALENDAR 2023-24

M. Pharm. I YEAR I & II SEMESTERS

I SEM

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork	09.10.2023	
2	1 st Spell of Instructions (including Dussehra Recess)	09.10.2023	16.12.2023 (10 Weeks)
3	Dussehra Recess	23.10.2023	28.10.2023 (1 Week)
4	First Mid Term Examinations	18.12.2023	23.12.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	29.12.2023	
6	2 nd Spell of Instructions	27.12.2023	29.02.2024 (9 Weeks)
7	Second Mid Term Examinations	01.03.2024	06.03.2024 (1 Week)
8	Preparation Holidays and Practical Examinations	07.03.2024	14.03.2024 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	13.03.2024	
10	End Semester Examinations	15.03.2024	30.03.2024 (2 Weeks)

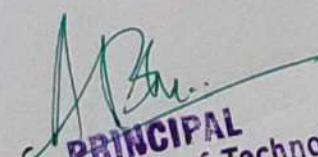
Note: No. of Working / Instructional Days: 100

II SEM

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	01.04.2024	
2	1 st Spell of Instructions	02.04.2024	22.06.2024 (11 Weeks)
3	Summer Vacation	13.05.2024	25.05.2024 (2 Weeks)
4	First Mid Term Examinations	24.06.2024	29.06.2024 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	03.07.2024	
6	2 nd Spell of Instructions	01.07.2024	31.08.2024 (9 Weeks)
7	Second Mid Term Examinations	02.09.2024	06.09.2024 (1 Week)
8	Preparation Holidays and Practical Examinations	09.09.2024	13.09.2024 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	11.09.2024	
10	End Semester Examinations	17.09.2024	28.09.2024 (2 Weeks)

Note: No. of Working / Instructional Days: 100


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ACADEMIC CALENDAR 2023-24

B. Pharm. I YEAR I & II SEMESTERS

I SEM

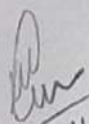
S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork / Orientation programme	29.09.2023	
2	1 st Spell of Instructions (including Induction programme)	29.09.2023	08.12.2023 (10 Weeks)
3	Dussehra Recess	23.10.2023	28.10.2023 (1 Week)
4	First Mid Term Examinations	11.12.2023	16.12.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	21.12.2023	
6	2 nd Spell of Instructions	18.12.2023	17.02.2024 (9 Weeks)
7	Second Mid Term Examinations	19.02.2024	24.02.2024 (1 Week)
8	Preparation Holidays and Practical Examinations	26.02.2024	02.03.2024 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	28.02.2024	
10	End Semester Examinations	04.03.2024	19.03.2024 (2 Weeks)

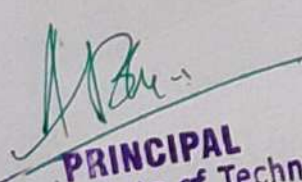
Note: No. of Working / Instructional Days: 101

II SEM

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	21.03.2024	
2	1 st Spell of Instructions (including Summer Vacation)	21.03.2024	07.06.2024 (11 Weeks)
3	Summer Vacation	13.05.2024	25.05.2024 (2 Weeks)
4	First Mid Term Examinations	10.06.2024	15.06.2024 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	21.06.2024	
6	2 nd Spell of Instructions	18.06.2024	22.08.2024 (9 Weeks)
7	Second Mid Term Examinations	23.08.2024	30.08.2024 (1 Week)
8	Preparation Holidays and Practical Examinations	31.08.2024	06.09.2024 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	03.09.2024	
10	End Semester Examinations	09.09.2024	21.09.2024 (2 Weeks)

Note: No. of Working / Instructional Days: 100


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2023-24

B. Pharm II YEAR I & II SEMESTERS

I SEM

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork	09.10.2023	
2	1 st Spell of Instructions (including Dussehra Recess)	09.10.2023	16.12.2023 (10 Weeks)
	Dussehra Recess	23.10.2023	28.10.2023 (1 Week)
3	First Mid Term Examinations	18.12.2023	23.12.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	30.12.2023	
5	2 nd Spell of Instructions	27.12.2023	29.02.2024 (9 Weeks)
6	Second Mid Term Examinations	01.03.2024	07.03.2024 (1 Week)
7	Preparation Holidays and Practical Examinations	11.03.2024	16.03.2024 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	13.03.2024	
9	End Semester Examinations	18.03.2024	30.03.2024 (2 Weeks)

Note: No. of Working / Instructional Days: 101

II SEM

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	02.04.2024	
2	1 st Spell of Instructions (including Summer Vacation)	02.04.2024	22.06.2024 (12 Weeks)
3	Summer Vacation	13.05.2024	25.05.2024 (2 Weeks)
4	First Mid Term Examinations	24.06.2024	29.06.2024 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	06.07.2024	
6	2 nd Spell of Instructions	01.07.2024	31.08.2024 (9 Weeks)
7	Second Mid Term Examinations	02.09.2024	06.09.2024 (1 Week)
8	Preparation Holidays and Practical Examinations	09.09.2024	13.09.2024 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	11.09.2024	
10	End Semester Examinations	17.09.2024	30.09.2024 (2 Weeks)

Note: No. of Working / Instructional Days: 100

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S. Tan Kalyan
 REGISTRAR I/c.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2023-24

B. Tech./B. Pharm. III YEAR I & II SEMESTERS

I SEM

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork	11.10.2023	
2	1 st Spell of Instructions (including Dussehra Recess)	11.10.2023	12.12.2023 (9 Weeks)
3	Dussehra Recess	23.10.2023	28.10.2023 (1 Week)
4	First Mid Term Examinations	13.12.2023	19.12.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	23.12.2023	
6	2 nd Spell of Instructions	20.12.2023	19.02.2024 (8 Weeks)
7	Second Mid Term Examinations	20.02.2024	24.02.2024 (1 Week)
8	Preparation Holidays and Practical Examinations	26.02.2024	02.03.2024 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	28.02.2024	
10	End Semester Examinations	04.03.2024	16.03.2024 (2 Weeks)

Note: No. of Working/ instructional days: 90

II SEM

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	18.03.2024	
2	1 st Spell of Instructions	18.03.2024	10.05.2024 (8 Weeks)
3	Summer Vacation	13.05.2024	25.05.2024 (2 Weeks)
4	First Mid Term Examinations	27.05.2024	01.06.2024 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	06.06.2024	
6	2 nd Spell of Instructions (including Summer Vacation)	03.06.2024	03.08.2024 (9 Weeks)
7	Second Mid Term Examinations	05.08.2024	09.08.2024 (1 Week)
8	Preparation Holidays and Practical Examinations	12.08.2024	17.08.2024 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	14.08.2024	
10	End Semester Examinations	19.08.2024	31.08.2024 (2 Weeks)

Note: No. of Working/ instructional days: 90

S. Tan Kaly
REGISTRAR I/c.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Revised ACADEMIC CALENDAR 2023-24

B. Tech./B. Pharm. IV YEAR I & II SEMESTERS

I SEM

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork		31.07.2023
2	1 st Spell of Instructions	31.07.2023	30.09.2023 (8 Weeks)
4	First Mid Term Examinations	03.10.2023	07.10.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before		13.10.2023
6	2 nd Spell of Instructions (including Dussehra Recess)	09.10.2023	08.12.2023 (9 Weeks)
7	Dussehra Recess	23.10.2023	28.10.2023 (1 Week)
8	Second Mid Term Examinations	11.12.2023	16.12.2023 (1 Week)
9	Preparation Holidays and Practical Examinations	18.12.2023	23.12.2023 (1 Week)
10	Submission of Second Mid Term Exam Marks to the University on or before		28.12.2023
11	End Semester Examinations	27.12.2023	10.01.2024 (2 Weeks)

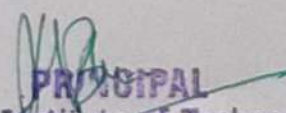
Note: No. of Working/instructional days: 92

II SEM

S.	Description	Duration	
		From	To
1	Commencement of II Semester classwork		12.01.2024
2	1 st Spell of Instructions	12.01.2024	07.03.2024 (8 Weeks)
3	First Mid Term Examinations	11.03.2024	16.03.2024 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before		22.03.2024
5	2 nd Spell of Instructions	18.03.2024	18.05.2024 (9 Weeks)
6	Second Mid Term Examinations	20.05.2024	25.05.2024 (1 Week)
7	Preparation Holidays and Practical Examinations	27.05.2024	01.06.2024 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before		01.06.2024
9	End Semester Examinations	03.06.2024	15.06.2024 (2 Weeks)

Note: No. of Working/ instructional days: 90

24/1
REGISTRAR


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BHARAT INSTITUTE OF TECHNOLOGY
I YEAR M. PHARM II SEMESTER I MID EXAMINATIONS
PHARMACEUTICS

Date: 19.06.2023

Circular

This is to inform all Faculty members that M.PHARM I Years I mid exams will be held from 22nd June 2023.

Please take note of the following:

1. Submit respective question papers to Examination Branch incharge on or before **20th June 2023**. Every faculty should submit question paper in **printed format only** set A and Set B.
2. In case of planned/unauthorized leave, it is the responsibility of the Faculty members who have been assigned invigilation duty to arrange for an alternative.
3. On Objective paper please mention **Hall ticket Number**
4. Time tables are enclosed..

NOTE: EVERY FACULTY HAS TO SEND QUESTION PAPER TO auditacademic@gmail.com (FOR Audit purpose) with out fail.


Exam Incharge


Academic Incharge


Admin Incharge

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BHARAT INSTITUTE OF TECHNOLOGY
I YEAR M. PHARM II SEMESTER I MID EXAMINATIONS

Date: 19.06.2023

S.NO	DATE	SUBJECT NAME
1	22/06/2023	MODERN PHARMACEUTICS-II
2	23/06/2023	ADVANCED DRUG DELIVERY SYSTEMS
3	24/06/2023	INDUSTRIAL PHARMACY
4	26/06/2023	NANOBASED DRUG DELIVERY SYSTEMS


Exam Incharge


Academic Incharge


Admin Incharge

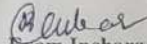
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Mangalpally (V), Ibrahimpatna
R.R. Dist - 501 510, Telangana.

BHARAT INSTITUTE OF TECHNOLOGY
I YEAR M. PHARM II SEMESTER I MID EXAMINATIONS

Date: 19.06.2023

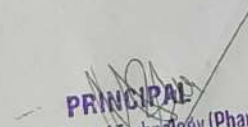
INVIGILATION DUTIES

S.NO	DATE	INVIGILATOR NAME
1	22/06/2023	DR. PRAVEEN
2	23/06/2023	DR. NAMRATA
3	24/06/2023	DR. ASRA
4	26/06/2023	DR. SHANTH


Exam Incharge


Academic Incharge


Admin Incharge


PRINCIPAL
Bharat Institute of Technology (Pharmacy)
Mangalpally (V), Ibrahimpatnam (M.D.)
R.R. Dist - 501 510, Telangana.

BHARAT INSTITUTE OF TECHNOLOGY
IV YEAR B. PHARM I SEMESTER II MID EXAMINATIONS

Date:04.12.2023

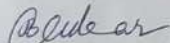
Circular

This is to inform all Faculty members that B.PHARM IV Years II mid exams will be held from 11th Dec 2023.


Please take note of the following:

1. Submit respective question papers to Examination Brach incharge on or before 9th Dec2023. Every faculty should submit question paper in **printed format only** set A and Set B.
2. In case of planned/unauthorized leave, it is the responsibility of the Faculty members who have been assigned invigilation duty to arrange for an alternative.
3. B.Pharm BIT questions pls submit to me only and BSP question papers to Sandhya madam. Pls mention Section A and B if your taking only for one section.
4. On Objective paper please mention **Hall ticket Number**
5. Time tables are enclosed..

NOTE: EVERY FACULTY HAS TO SEND QUESTION PAPER TO auditacademic@gmail.com (FOR Audit purpose),with out fail.


Exam Incharge


Academic Incharge


Admin Incharge

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BHARAT INSTITUTE OF TECHNOLOGY
IV YEAR B. PHARM I SEMESTER II MID EXAMINATIONS

Date:04.12.2023

S.NO	DATE	SUBJECT
1	11/12/2023	INSTRUMENTAL METHODS OF ANALYSIS
2	12/12/2023	INDUSTRIAL PHARMACY II
3	13/12/2023	PHARMACY PRACTICE
4	14/12/2023	NOVEL DRUG DELIVERY SYSTEMS
5	15/12/2023	PHARMACOVIGILANCE


Exam Incharge


Academic Incharge

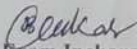

Admin Incharge

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BHARAT INSTITUTE OF TECHNOLOGY
IV YEAR B. PHARM I SEMESTER II MID EXAMINATIONS
INVIGILATION DUTIES

Date:04.12.2023

S.NO	DATE	INVIGILATOR NAME
1	11/12/2023	1. MRS. K. R. SUSHMA 2. MS. TWILA 3. DR. NAZIMOON 4. MS. RACHEL
2	12/12/2023	1. DR. NAMRATA 2. MS. GLORY 3. MS. NAHID 4. DR. ASRA
3	13/12/2023	1. MRS. AZQA FATIMA 2. MRS. TEJASRI 3. DR. BAIJANTHI MALA 4. DR. TEJASWI
4	14/12/2023	1. DR. SAFA 2. DR. SHANTHI 3. MS. AYESHA 4. DR. ALEKYA
5	15/12/2023	1. DR. PRAVEEN 2. MRS. LALITHA 3. MRS. SAMPOORNA 4. MS. GLORY


Exam Incharge


Academic Incharge


Admin Incharge

PRINCIPAL
Bharat Institute of Technology (Pharmacy)
Mangalpally (V), Ibrahimpatnam (M),
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pEXAMINATION TIME TABLE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY, HYDERABAD-500 085

EXAMINATION BRANCH

IV YEAR B.PHARM - I SEMESTER -R17, R16, R15, R13 REGULATIONS- REGULAR/SUPPLEMENTARY EXAMINATIONS DECEMBER-2023/JANUARY-2024

TIME TABLE

TIME : FN: 10:00 AM TO 1:00 PM

DATE & DAY	R17	R16	R15	R13
27-12-2023 SATURDAY	Instrumental Methods of Analysis	Biopharmaceutics and Pharmacokinetics	Biopharmaceutics & Pharmacokinetics	Biopharmaceutics & Pharmacokinetics
29-12-2023 FRIDAY	Industrial Pharmacy-II	Pharmaceutical Analysis - II	Pharmacognosy III	Pharmacognosy III
02-01-2024 TUESDAY	Pharmacy Practice	Pharmacology - III	Pharmacology-III	Pharmacology-III
04-01-2024 THURSDAY	Novel Drug Delivery Systems	Medicinal Chemistry - II	Medicinal Chemistry - II	Medicinal Chemistry - II
06-01-2024 SATURDAY	Pharmaceutical Marketing	Pharmacy Administration	Pharmacy Administration	Pharmacy Administration
	Pharmaceutical Regulatory Science			
	Pharmacovigilance			
	Quality Control and Standardization of Herbals			

DATE: 06-12-2023

Sd/-
CONTROLLER OF EXAMINATIONS

NOTE:

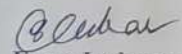
- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS/ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF THE

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BHARAT INSTITUTE OF TECHNOLOGY
IV YEAR B. PHARM I SEMESTER REGULAR EXAMINATIONS
INVIGILATION DUTIES

Date:21.12.2023

S.NO	DATE	INVIGILATOR NAME
1	27/12/2023	11. DR. PRAVEEN 2. MRS. K.R.SUSHMA 3. MRS. SAMPOORNA 4. MS. GLORY
2	29/12/2023	1. DR. NAMRATA 2. MS. TWILA 3. MS. NAHID 4. DR. ASRA
3	02/01/2024	1. MRS. AZQA FATIMA 2. MRS. TEJASRI 3. DR. BAIJANTHI MALA 4. DR. ASRA
4	04/01/2024	1. DR. SAFA 2. DR. SHANTHI 3. MS. AYESHA 4. DR. ALEKYA
5	06/01/2024	1. DR. NAZIMOON 2. MRS. LALITHA 3. DR. TEJASWI 4. MR. RAMAKRISHNA


Exam Incharge


Academic Incharge


Admin Incharge

PRINCIPAL
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BHARAT INSTITUTE OF TECHNOLOGY
III MID EXAMINATIONS PHARM D IV YEAR


Circular

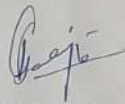
This is to inform all Faculty members that Pharm. D **IV Years** Mid exams-III will be held from 29.4.2024.

Please take note of the following:

1. Submit respective question papers to Examination Brach incharge on or before **27. 04.2024** . Every faculty should submit question paper in printed format only
2. In case of planned/unauthorized leave, it is the responsibility of the Faculty members who have been assigned invigilation duty to arrange for an alternative.
3. Time tables and invigilation duties wil be enclosed.(shortly)


Exam Incharge


Academic Incharge


Admin Incharge


Principal

PRINCIPAL


Bharat Institute of Technology (Pharmacy)
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 310. Telangana.

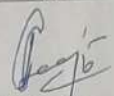
III MID EXAMINATIONS PHARM -D

Pharm. D IV year (Time: : 01:45 to 03:30PM)

S. No	Date	Code	Subject
1.	29.04.2024	4.1	Pharmacotherapeutics-III
2.	30.04.2024	4.2	Hospital Pharmacy
3.	01.05.2024	4.3	Clinical Pharmacy
4.	02.05.2024	4.4	Biostatistics & Research Methodology
5.	03.05.2024	4.5	Biopharmaceutics & Pharmacokinetics
6.	04.05.2024	4.6	Clinical Toxicology


Exam Incharge


Academic Incharge


Admin Incharge


Principal

Bharat Institute of Technology (Pharmacy)
Mangalpatly (M), Ibrahimpatnam (M),
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BHARAT INSTITUTE OF TECHNOLOGY

MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

Exam ~~Release~~ SCHEDULE (II-IV YEAR PHARM-D EXAM) ^{am} JUNE 2024

(Exams are in morning sess)

FN: (9:45 AM -11:45 AM) BIT					FN: 9:45 AM -11:45 AM) BSI		
S.No	Date of exam	Invigilator	R. No	Sign.	Invigilator	R. No	Sign.
1.	29/04/24 (mon)	Dr. Liktesher	SH			310	
		Dr. Alekhya	SH		Dr. Arusa	310	
2.	30/04/24 (Tues)	P. Twila	SH		Dr. Saba	310	
		Dr. T. Jeyasuri	SH		Azkafathima	310	
3.	01/05/24 (wed)	Dr. Rajjyanti	SH		Mrs. Sampodra	310	
		Dr. Asca	SH		Mrs. Geetha Mr. Manoj	310	
4.	02/05/24 (Thurs)	Dr. Praveen	SH		Mrs. Sushma	310	
		R. G. Longi / Rahul	SH		Mrs. Geetha Mr. Manoj	310	
5.	03/05/24 (Friday)		SH		Dr. Shanthi lyathi	310	
		Sourya Kir	SH		Mrs. Kalitha / Dr. Bhaskar	310	
6.	04/05/24 (Sat)	Dr. Nakhom	SH		Mr. Anon	310	
		Dr. Usha Rani	SH			310	

All faculty members opt one invigilation duty as per your free time according to academic time table

Exam Branch I/C

Admin I/C

Academic I/C

Note:-



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
KUKATPALLY - HYDERABAD - 500 085
EXAMINATION BRANCH
REVISED TIME-TABLE

Pharm. D IV-Year Regular and Supplementary Examinations June -2024

Time: 10:00 AM to 01:00 PM

DATE & DAY	SUBJECTS
03-06-2024 MONDAY	PHARMACOTHERAPEUTICS-III
07-06-2024 FRIDAY	HOSPITAL PHARMACY
14-06-2024 FRIDAY	CLINICAL PHARMACY
18-06-2024 TUESDAY	BIOSTATISTICS & RESEARCH METHODOLOGY
20-06-2024 THURSDAY	BIOPHARMACEUTICS & PHARMACOKINETICS
22-06-2024 SATURDAY	CLINICAL TOXICOLOGY

NOTE: 1) ANY CLASHES / OMISSIONS IN THIS TIME-TABLE MAY BE
BROUGHT TO THE NOTICE OF THE UNDERSIGNED.
2) IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE
DATES THE EXAMS WILL BE CONDUCTED AS USUAL.

DT: 18-05-2024


Sd/-
CONTROLLER OF EXAMINATIONS

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BHARAT INSTITUTE OF TECHNOLOGY
Invigilation Duties
Pharm. D IV- Year Regular and Supplementary Examinations June - 2024

S. No	Date	FN
1	3/6/24	1. DR Baljanthimala
		2. Mrs Azka Fatima
2	7/6/24	1. Dr Nazimoon
		2. Mr Manoj kumar
3	14/6/24	1. Mrs Safa
		2. Mrs Tejasri
4	18/6/24	1. Dr Asra
		2. Dr Tejaswi
5	20/6/24	1. Dr Namrata
		2. Dr Tejaswi
6	22/6/24	1. Dr. swathi
		2. Dr. Alekhya


With Regards
Examination Branch


PRINCIPAL
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BHARAT INSTITUTE OF TECHNOLOGY

MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

I YR I SEMESTER M. PHARMACY II MID EXAMINATION, AUG -2023

ATTENDANCE SHEET

Department of Pharmaceutics

SUB: *Nanobased drug delivery system*

S. No.	Hall ticket number	Name of the student	Signature
1.	22171S0301	AARTHI PATIL	<i>Aarthi</i>
2.	22171S0302	GOPPULLAPAL LI HARIKA GOUD	<i>Harika</i>
3.	22171S0303	KHASIM SHAREEF SHAIK	<i>Khassim Shareef</i>
4.	22171S0304	KONDOJU SHAILAJA	<i>Shailaja</i>
5.	22171S0305	SALEHA	<i>Saleha</i>
6.	22171S0306	P ANITHA	<i>P. Anitha</i>
7.	22171S0307	THANGALLA JAYASRI	<i>AB</i>

Total no of Students: 7

Presentees: 6

Absentees: 1

Invigilator Signature(s): *[Signature]*



BHARAT INSTITUTE OF TECHNOLOGY

(Approved by PCI & AICTE, Affiliated to JNTUH)
Mangalpally (V), Ibrahimpatnam (M), R.R. Dist. - 501 510.

18
25

Main Answer Book

MID Exam No.: 1st mid 2nd sem

Date: 26/06/2023

Branch: pharmaceutics

Year: 1st year 2nd sem

Roll No.: 2217150306

Subject: Nano based drug delivery system

No. of Additional: 01

Signature of Investigator with Date

1) Hixon-Crowell Model:-

Hixon Crowell model describe the regular particle dissolution cubic root of diameter.

⇒ Hixon-Crowell method drug release and dissolution Rate constant of Rate of diameter.

$$C_0^{1/3} - C_t^{1/3} = Kt$$

Kt = constant time

C = drug release and Rate constant.

2) Applications:- Application of nano drug delivery system

and microcapsule and biochemical and microcapsule and small things of physical, chemical, and science and computer textile business are the use of nano capsule. ⇒ In nano technology many main source of nano science.

⇒ electronic ⇒ mobile ⇒ nano technology study of mainly. ⇒ computer ⇒ energy. used across all the science field. ⇒ textile. source chemical, biological. ⇒ business source.

3) Targeting and drug targeting ideal properties of the therapeutic action of drug dissolution.

→ Selective and Effective ^{coefficient of pharmacokinetics} ^{concentration of drug} ^{therapeutic action of drug} ^{and systemic circulation}

⇒ dissolution parameters are the matrix dissolution and translational dissolution ⇒ minimal drug transport Economically explain compatibility effect

⇒ characteristics of nano drug based drug dissolution unit rate constant time

⇒ Non toxic and in vivo Nano Technology targeting

Nano technology are used to very small scale to develop the total property. Technology of nano based drug delivery system.

⇒ It is economic growth

⇒ Low cost of nano drug developed

⇒ Nano based drug delivery is the technology of dissolution of drug unique parameter of dissolution rate.

Consistent ⇒ application of the small platform of enhancing scalp the Enhancing the nano economical security.

5) Nano materials in drug delivery system

Nano materials are the unique parameters are dissolution of small amount of development of made up of small in terms.

⇒ Nano material are to biological physiological preparation of technology developed the microcapsule

⇒ nano materials are the dissolution parameters are the root of administration and cubic unit area of dissolution parameters

Long Answer:-

2) Characterization of nano particles:-

Nano particles are the unique and prop property of medicine and physiological properties and also ion and photon characterization.

⇒ microscopic characterization of nano particles are developed the small root of chemical biological properties of nano based drug delivery system.

⇒ Nano drugs are the characterization of electron and proton scanning of characterization.

Characterization

1) osmotic characterization of nano particles

↓

2) scanning characterization of nano particles

↓

3) electron characterization of nano particles

↓

4) photon characterization of nano particles

↓

5) ion characterization of nano particles

↓

6) microscopic characterization of nano particles

3) Osmotic characterization

Osmotic characterization are the microcapsule are the nano drug based drug delivery system and osmotic pressure of the characterization of nano particles.

5) Korsmeyer-Peppas Model:-

Korsmeyer-Peppas model are the linearization of dissolution particle (1981) Korsmeyer method are developed of linearization of particle.

⇒ dissolution of particle are the Korsmeyer method responsible of 0.5 and 0.1 are of dissolution of particle.

⇒ Fick's law of characterization of Korsmeyer method are the preparation of zero-order reaction.

⇒ dissolution of linearization particle are the rate and constant M_t = dissolution of rate constant.

$$M_t/M_\infty = k t^n \quad k t = \text{Time taken}$$

where M_∞ is the matrix dissolution of linearization of particle are the dissolution and dissolution by dissolving the particle 0.5 or 0.1 nomometer.

Responsible cylindrical slab	Responsible Rectangular	Characterization	Rate and Release
$0.5 < 0.1$	0.45	Fick's law	zero order release.
$0.45 < 0.85$	0.85	Kern's law	η
$0.83 < 0.85$	< 0.85	0.85	zero order release.
$0.1 < 0.85$	0.85	0.45	First order reaction

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Roll No.: 2217180706

Additional Sheet No.: 1

Signature of Invigilator with date

1) Higuchi Model:-

Higuchi Model Rate and Concentration of Release when a particle dissolution of matrix type dissolution happen by this model.

$$Q = \sqrt{D} (2C - C_s) C_s t$$

Q = is the Rate dissolution of

D = Drug Release Rate and Increased by tablet formation which.

\sqrt{D} = Diffusion coefficient.

T = Time duration.

$$Q = \sqrt{D} \text{ if } (2C - D_s) t$$

Q = Rate of dissolution

\sqrt{D} = Diffusion coefficient

D = property of matrix.

C_s = Complete solution

T = Time taken.

⇒ Q is the when the model dissolution of the rate and constant of transdermal dissolution of drug release and Higuchi Model is the (1863) is dissolution of drug molecule are the transdermal particles are the

⇒ Higuchi Model is dissolution of preparation of dilution of materials are the preparation matrix type dissolution.

⇒ drug dissolution time is nano based drug delivery system are the transdermal drug release.

⇒ Matrix type dissolution are the Higuchi is dissolution of nano based drug delivery system.

⇒ this first dissolution to mathematical dissolution technique.

⇒ this technique is the dissolution parameter are the matrix type diffusion are transdermal technology are the nano based drug delivery system.

⇒ Matrix type dissolution are the

3

B. PHARM IV YR I SEM MID-I EXAMINATION, - 2023

ATTENDANCE SHEET-SECA
Subject: Industrial Pharmacy

Sl. No.	Hall Ticket No	Name	Signature	Mark
1.	20171R0001	Alle Vamsi Krishna	A. Vamsi	17/12
2.	20171R0002	Ambilpur Namini	A. Namini	17
3.	20171R0003	Anusha Nensavith	N. Anusha	14/12
4.	20171R0004	B. Sony	B. Sony	14
5.	20171R0005	Badella Vamsi	B. Vamsi	18
6.	20171R0006	Bairree Priyanka	B. Priyanka	20/12
7.	20171R0007	Bakka Nitesh	B. Nitesh	13/12
8.	20171R0008	Bancil Vinash	B. Vinash	16
9.	20171R0009	Bathula Sridevi	B. Sridevi	13
10.	20171R0010	B. Bhanu	B. Bhanu	19
11.	20171R0011	Baswapur Bhavani	B. Bhavani	16
12.	20171R0012	Bolibattini Manisha	B. Manisha	10/12
13.	20171R0013	Bommasamudram Harshithan	B. Harshithan	16
14.	20171R0014	Bompelly Anjali	B. Anjali	16
15.	20171R0015	Boyapalli Ishwarya	B. Ishwarya	16
16.	20171R0016	Buthkur Akhila	B. Akhila	16
17.	20171R0017	Bykani Srikanth	B. Srikanth	14
18.	20171R0018	Ch. Anil Kumar	Ch. Anil Kumar	12/12
19.	20171R0019	Challe Sai Keerthana	Ch. Sai Keerthana	16/12
20.	20171R0020	Chenragani Tej	Ch. Tej	14/12
21.	20171R0021	Chilukoti Mount	Ch. Mount	14/12
22.	20171R0022	Chindam Susha	Ch. Susha	14
23.	20171R0024	Chivarala Poojitha	Ch. Poojitha	18
24.	20171R0025	Chowgani Akanksha Goud	Ch. Akanksha	7
25.	20171R0026	Dadi Sumanth	D. Sumanth	9
26.	20171R0027	De'arakonda Navadeep	D. Navadeep	8/12
27.	20171R0028	Dulla Spandan	D. Spandan	10/12
28.	20171R0029	E. Laxmi Prasanna	E. Prasanna	20
29.	20171R0030	Erati Shireesha	E. Shireesha	14
30.	20171R0031	Eslavath Dine	E. Dine	16/12
31.	20171R0032	Eslavath Pramela	E. Pramela	11
32.	20171R0033	G. Narisha	G. Narisha	13
33.	20171R0034	Gaddam Nikhita	G. Nikhita	12
34.	20171R0035	Gandela Pranjali Goud	G. Pranjali	17
35.	20171R0036	Gunaganti Deender	G. Deender	19
36.	20171R0037	Gundagani Laxmi	G. Laxmi	20/12
37.	20171R0038	Houjakari Aparna	H. Aparna	18
38.	20171R0039	J. Neres	J. Neres	13/12
39.	20171R0040	Joku Narsimha	J. Narsimha	21
40.	20171R0041	K. Kavya	K. Kavya	19
41.	20171R0042	K. Venkatesh Reddy	K. Venkatesh	19
42.	20171R0043	K. Krishnaveni	K. Krishnaveni	19
43.	20171R0044	K. Ram	K. Ram	19
44.	20171R0045	Kalluri Geethika Devi	K. Geethika	19
45.	20171R0046	Kolanti Sowjanya	K. Sowjanya	21/12
46.	20171R0047	Komera Nikhita	K. Nikhita	18
47.	20171R0048	Kondam Yashwanth Reddy	K. Yashwanth	17
48.	20171R0049	Kotha Radhika	K. Radhika	20
49.	20171R0050	Krishna Murthy Nadini	K. Nadini	

21/12/23
MARKS

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B. PHARM IV YR I SEM MID-I EXAMINATION, - 2023

MARKS SHEET SEC-B

Subject:

Sl. No.	Hall Ticket No	Name	Signature	
1.	20171R0054	Maduri Deekshitha		
2.	20171R0055	Madupathi Meghana	Meghana	22
3.	20171R0056	Mamidigalla Suprathika	H. Suprathika	17 1/2
4.	20171R0057	Mariamadar	Mawam	21
5.	20171R0058	Maraju K. erthi	M. K. erthi	19 1/2
6.	20171R0059	Maskuri S. uthi	M. S. uthi	21
7.	20171R0060	Medudola Prashanth		
8.	20171R0061	Mendu Chiritha	M. Chiritha	19
9.	20171R0062	Mohanmaji Maaz Hussain	M. Maaz	20 1/2
10.	20171R0063	Mohammad Umar	M. Umar	19
11.	20171R0064	Mudavath Shobha	M. Shobha	18
12.	20171R0065	Muppidi Shivani	M. Shivani	20
13.	20171R0066	Muthi Rohith	M. Rohith	16 1/2
14.	20171R0067	Muthagari Akshaya	Akshaya	21
15.	20171R0069	Nagulapally Raghavendra Rao	N. Rao	20
16.	20171R0070	Nakkapothu Shiva Ram		
17.	20171R0071	Nalla Naveen	N. Naveen	19
18.	20171R0072	Nallaginnala Ambika	N. Ambika	16
19.	20171R0073	Navathi Bhanu	Bhanu	18 1/2
20.	20171R0074	Nenavath Aruna		
21.	20171R0075	Niradi Karthik		
22.	20171R0076	Pallamoni Shiva Kumar	P. Shiva Kumar	15
23.	20171R0077	Parusharam Anirudh	P. Anirudh	18
24.	20171R0078	Pidugu Sanjana	P. Sanjana	16 1/2
25.	20171R0079	Puppalla Bhavani	P. Bhavani	19 1/2
26.	20171R0080	Ramavath Vamshi	R. Vamshi	19 1/2
27.	20171R0081	S. Bhanu Prasad	S. Bhanu Prasad	14 1/2
28.	20171R0082	S. Gowtham Chandra	S. Gowtham Chandra	18 1/2
29.	20171R0083	S. Raj Kumar	S. Raj Kumar	21
30.	20171R0084	Saireddy Kavya	Kavya	18
31.	20171R0085	Samireta Vishnu Prakash	Vishnu	12 1/2
32.	20171R0086	Sarab Chakravarthy	Chakravarthy	11
33.	20171R0087	Shaik Amreer Tabassum	Amreer	19 1/2
34.	20171R0088	Shaik Zoha	Zoha	16 1/2
35.	20171R0089	Shiva Kumar Reddy G	G. Reddy	11
36.	20171R0090	Sinamgarain Amshu	Amshu	17
37.	20171R0091	Singu Teja	S. Teja	22 1/2
38.	20171R0092	Sobiya Ammara	S. Ammara	15
39.	20171R0093	Tanuku Ritika	T. Ritika	20 1/2
40.	20171R0094	Telukuntla Teja Reddy	T. Teja Reddy	18 1/2
41.	20171R0095	V. Hari Kishore Reddy	V. Kishore Reddy	19
42.	20171R0096	V. Ajay	V. Ajay	18
43.	20171R0097	Vaddireddy Sahithya	Sahithya	22 1/2
44.	20171R0098	Vadla Shiva Prakash	V. Shiva Prakash	14 1/2
45.	20171R0099	Yanala Sushma	Y. Sushma	23 1/2

Presentees: 88

Absentees: 09

Total no of Students: 97



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Main Answer Book

5-10-19
20
25

MID Exam No.: 02

Date

07/12/23

Branch

13-pharmacy

Year

4th year

Roll No.: 20171R0079

Subject: Industrial pharmacy II

Signature of Invigilator with Date

No. of Additional: 01

1. Six - Sigma concept in quality management
- Six - Sigma seeks to improve the quality of process output by identifying & removing the causes of defects.
- Six - Sigma approach is the collection of management and statistical deficiency in a product.
- A Six - Sigma process in which 99.99996.6% of the product manufactured are statistical expected to be free of defect.
- Six - Sigma rule is for the clearing of defects in products while manufacturing.
- Many industries and manufacturing departments choose this Six Sigma rule to make free of defects in products.
- A statistical analysis of collection of management Six Sigma rule is applied to remove the defects in the products.

- Six sigma is the best way to get benefit in manufacturing departments.
- Six sigma rule is followed in branding and packing of products also.
- Six sigma is also followed in many packing and branding names in many aspects of T.Q.M.
- Total Quality Management (T.Q.M.)
- Six-sigma process

The process of six-sigma is designed in various aspects.

The concept of six-sigma, DMAIC, D.M.A.I.C. process for define, measure, analysis, to improve and control.

Define: Define is the 1st and more important different step of six-sigma approach. the Specification step defining the problems and objectives. define explains project.

Measure: measure is the 2nd and important step it is the expecting the collecting experts

Fact means truth and data base approach.
Information of data base listed out the complete data is collected submitted called fact and data base approach.

Project and Objective based
project and objective based rule. Six-sigma follow this step

The customer focus
- main thing is to focus on customer satisfaction
If the customer is satisfied then the image of product increases
Team work approach to quality management.

Team work is important while manufacturing
If there is no team unity then defects may occur in quality, to main proper quality
Team work is import.

Six-sigma objectives

- overall business improvement
- Remedy defects / variability
- Reduce costs
- Improve cycle time

Clinical trials

Clinical trials are research studies that use data medical surgical or behavioral intervention in people. These trials are the primary way that researchers determine in a new form of treatment determine in a new drug, diet, or medical device is safe and effective in people.

A clinical trial is defined as a systematic study of new drugs in human subjects to generate data for discovering or verifying.

A clinical pharmacological effects:

→ Adverse effects

→ Safety and efficacy of new drugs.

There are different phases

those are phase-1

phase-2

phase-3

phase-4

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Roll No.: 20171R0099

Additional Sheet No.: 01

Signature of Investigator with date

Different phases of clinical trials

phases of clinical trials:

pre-clinical study

mice, rat, rabbit, monkeys

↓
phase-1

Human pharmacology: estimation of safety and tolerability.

↓
phase-2

2 exploratory trial estimation of effectiveness and short term side effects

↓
phase-3

confirmatory trial - confirmatory of the therapeutic benefits

↓
phase-4

post marketing studies doing after drug approval.

Requirements of clinical trials.

→ currently different nations have to follow different requirements for regulatory approval for novel (New) drug.

→ It is almost differ for every country to have the same requirements approach for the MAA.

→ It is necessary to have knowledge about regulatory requirements for MAA for each country.

→ New drug Application is an Application submitted to the for personal sponsor submit preclinical data for analytical the drug information.

Bharat Institute of Technology **B.Pharm IV yr- I Sem, II mid Exam, December-2023**

Sub: Industrial Pharmacy - II

Objective

Hall ticket no: 20171R0099

Time: 10 Min

Max. Marks: 10 M

Fill in the Blanks

10 x 1 = 10 M

1. DTAB Drug Technical Advisory Board
2. CDTL Central drug Testing Laboratory
3. ISO International organization for standardisation
4. NABL National Accreditation Board for testing Calibration Laboratory
5. IRB Institutional review board
6. ANDA Abbreviated New drug Application
7. NCE New chemical entity
8. PAT Process Analytical technology
- MAA Marketing Authorization Application
- IND Investigational New drug

Industrial pharmacy - II .

Assignment

20171R0099

Y. Sushma.

INVESTIGATIONAL NEW DRUG (IND)

Applications:-

- * Investigational new drug is a programme by which any pharmaceutical company can approach to obtain permission for the initiation of human clinical trials and to ship an experimental drug across the state lines before a marketing application.
- * An IND application is to provide the data showing that it is reasonable to begin test of new drugs on humans.
- * In IND application is also the vehicle through which sponsor advances to the next stage of drug development known as clinical trials.
- * Because a sponsor will probably want to ship the investigational drug to clinical investigation in many states it must seek an exemption from that legal requirement. The IND application is the means through which the sponsor technically obtains this exemption from the FDA.
- * During a new drugs early preclinical development the sponsor's short goal is to determine if product is reasonably safe for the initial use in humans.
- * When a product is identified as a viable candidate for development the sponsor then focuses on the data.

* FDA's role in the development of a new drug being when the drug sponsor have screened the new molecule for pharmacological activity and acute toxicity potential in animals.

* At the molecule point changes in legal status under the federal food drug and cosmetic act and because a new drug subject to specific requirement of drug regulatory system.

classification of IND

Commercial

Research

(non-commercial)

* permits sponsor for collect data on clinical safety and effectiveness needed for the application for the marketing in the form of NDA.

* permits the sponsor to use drug in research to obtain advanced scientific knowledge of new drug

Types of IND application:-

1. Investigation IND application
2. emergency use IND application
3. treatment IND "
4. screening IND "

1. Investigation IND application: In this an application is submitted by a physician who initiates and conduct an investigation and under whose immediate

direction the investigational drug is administered or dispensed & physician might submit a research IND application to purpose studying of:-

* An unapproved drug

* An approved product for a new indication

* An approved product in a new patient population.

2) Emergency use IND application: This application allows the FDA to authorize use of an experimental drug in an emergency situation that does not allow time for submission an IND application. In accordance with 21CFR, sec 312.23 or sec 312.20. It is also used for patients who not meet the criteria of an existing study protocol or if an approved study protocol does not exist in such a case FDA may authorize shipment of the drug for a specified use in advanced of an IND application.

3) Treatment IND application: This application is submitted for experimental drug showing promise in clinical testing for serious or immediately life threatening conditions while the final clinical work is conducted and the FDA takes place.

* A drug that is not approved for marketing may be under clinical investigation for a serious

immediately drug other therapy is available.

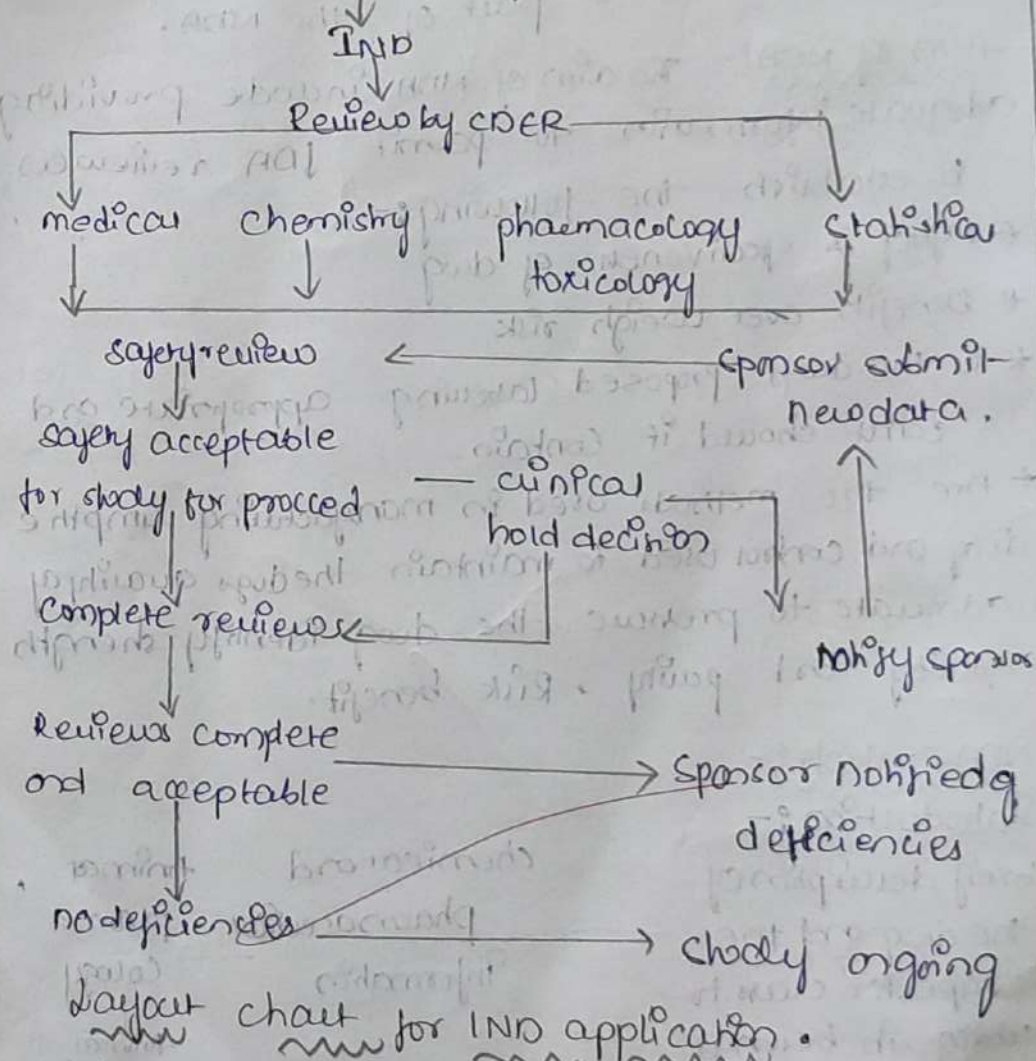
* In the case of a serious disease a drug ordinarily may be made available for treatment and during phase III investigations or after all clinical trials have been completed.

* In the case of an immediately life threatening disease a drug may be made available for treatment earlier than phase III but ordinarily not earlier than phase II.

↳ screening IND application:- It is filed for multiple closely related compounds in order to screen for the preferred compounds or formulations. The preferred compound can be developed under a separate IND. It can also be used for screening different salts, esters and other drug derivatives that are chemically different, but pharmacodynamically similar.

* IND Review and Report: During this time, FDA has an opportunity to review the IND application for safety to assure that research subject will not be subjected to unreasonable risk. The report evaluates on the various factors like medical review.

chemistry review pharmacology toxicology review statistical analysis and safety review
applicant (drug sponsor)



NEW DRUG APPLICATION (NDA)

The vehicle through which drug sponsor formally prepare that the regulatory body approves a

new pharmaceutical for sale and marketing and the data gathered during the animal studies and human clinical trials of an investigational new product becomes a part of the NDA.

Aim of NDA:- The aim of NDA include providing adequate information to permit FDA reviewers

to establish the following:-

- * safety & effectiveness of drug
- * benefits over weigh risk
- * if the drugs / proposed labeling appropriate and what should it contain.
- * Are the methods used in manufacturing complete drug and control used to maintain the drugs quality adequate to preserve the drug identify strength quality and purity, Risk benefit.

NDA contents:-

Introduction:-

brief description of the drug and the therapeutic class to which it belongs

chemical and pharmaceutical information → animal plasma → Cology → animal toxicology → human clinical pharmacology

special studies of geriatrics, pediatric.

Therapeutic Confirmatory trials

Therapeutic exploratory trials

Regulatory status in other countries → Prescribing information → sample and testing protocols

NDA Review process:- once the application is submitted the FDA has 60 days to conduct a preliminary review which to permit a substance review of everything is found to be acceptable the FDA will get a standard or accelerated review & communicate the acceptance of the application and their review choice in another communication known as the 7 day letter.

Application (drug sponsor)

↓
NDA
↓

Application Mable

Revised to give
letter issued

Review by CRR

medical

Biopharmaceutical

pharmacology

Statistics

chemistry

Microbiology

Advisory
Committee
meeting

meeting with sponsor

Additional info or re-
visions or submitted

Sponsor
revises
Review & complete
and acceptable

yes

yes

Labeling review
acceptable (1)

yes

Inspection of
sites acceptable
No pending
compliance
results

NDA action

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IV YR PHARM D III MID EXAMINATION
ATTENDANCE SHEET

Subject:

Clinical pharmacy

Sl. No.	Hall Ticket No	Name	Signature
1.	20171T0001	A. Bharat	<i>Bharat</i>
2.	20171T0002	Accha Harshitha	<i>Harshitha</i>
3.	20171T0003	Ayidalapally Chandra Shekar	<i>CS</i>
4.	20171T0004	Badugu Keerthi	<i>Keerthi</i>
5.	20171T0005	Bairi Rohith	<i>Rohith</i>
6.	20171T0006	Blissy Jasper Mogalathurthi	<i>Blissy</i>
7.	20171T0007	Chinthanippu La Krishika	<i>Krishika</i>
8.	20171T0009	Fabeeha Fatima	<i>Fabeeha</i>
9.	20171T0010	K Akash	<i>Akash</i>
10.	20171T0011	Kairam Sahithi Priya	<i>KPriya</i>
11.	20171T0012	Korampalli Aishwarya	<i>Aish</i>
12.	20171T0013	M.Shiva Swapna	<i>Swapna</i>
13.	20171T0014	Mohammed Moinuddin Saadh	<i>Saadh</i>
14.	20171T0015	Muthyala Adarsh	<i>AA</i>
15.	20171T0016	N Prathyusha	<i>Prathyusha</i>
16.	20171T0017	Nakka Pravalika	<i>Pravalika</i>
17.	20171T0018	Rathod Harikrishna	<i>Ab</i>
18.	20171T0019	Rupavath Manjula	<i>Manjula</i>
19.	20171T0020	Sania Siddiqui	<i>Sania</i>
20.	20171T0021	Sivika Moluguri	<i>Sivika</i>
21.	20171T0022	Sufiya	<i>Sufiya</i>
22.	20171T0023	Sura Manikanta	<i>Manikanta</i>
23.	20171T0024	Syed Abdul Naveed	<i>S.A. Naveed</i>
24.	20171T0025	Varkala Bindhu	<i>Bindhu</i>
25.	20171T0026	Velupally Sai Preetham	<i>Preetham</i>
26.	20CG1T0012	Vinaya sree	<i>K. Vinaya Sree</i>

No. of Students: 26

No of Absentees: 01

No of Presentees: 25

Signature of Invigilator: *D. Usha Rani*

15/24



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Main Answer Book

MID Exam No.: 03

Date: 01/05/2024

Branch: Pharmacy

Year: IV

Roll No.: 2014110009

Subject: Clinical Pharmacy

No. of Additional: 08

Signature of Investigator with Date

1. Ans

Medication Errors

Medication error is defined as any preventable event that may result in inappropriate medical decision or harm to the patient's health.

It can be due to:

- Human-related factors
- medication-related factors
- system related factors

Types of Medication Errors

1. Prescription error
2. Dispensing error
3. Administration error
4. Documentation error
5. Transcription error
6. Ident error

⇒ Prescription Error

A clinically adverse prescription error is when as a result of prescription writing, it may unintentionally lead to

- Reduced therapeutic effectiveness of drug
- Harm to patient's health

Prescription error includes:

- Incorrect medication
- Illegible Handwriting
- Irrational Drug Combination
- Unclear/Unofficial usage of Abbreviations

⇒ Dispensing Errors

Dispensing error is defined as a discrepancy between the prescription and the medications dispensed by the pharmacist and to the patient and the nursing wards.

It also includes dispensing of inferior quality drugs.

Causes : Workload
Lack of Knowledge
Unclear prescription.

It accounts to 1.7% inaccuracy.

⇒ Administration Errors

It is defined as the discrepancy between the therapy provided to the patient and the instructions provided by the prescriber.

It accounts for 26-38% of all medication errors.

This includes :

- Wrong Drug
- Wrong Dose
- Wrong Route
- Wrong patient
- Wrong Time
- Wrong Dosage form.

⇒ Documentation Errors

This includes all the discrepancies while noting down the data such as :

- Complete Patient Information
- Medication Information

Transcription Errors

Transcription is the process of making a copy of complete information of the patient. Any error that occurs during this period is known as Transcription error.

Transcription error can also occur due to illegible handwriting of Doctor, while writing dosage and frequencies.

It can also be due to lack of knowledge on Drug Names.

⇒ Indent Errors

Any error that occurs during indenting such as :
Wrong dose
Wrong drug
Wrong Time.

Categories of medication Error

Category	Event
A	Any event or circumstance that may lead to an error
B	An error has occurred but does not reach the patient
C	An error has occurred and reached the patient but does not involve intervention
D	An error that may require medical intervention
E	An error that requires that requires serious attention

F	An error that requires the patient to be shifted to critical unit.
G	An error that may result in permanent harm to the patient.
H	An error that requires life sustaining action.
I	An error that causes or results in patient death.

Adverse Drug Reaction
Any noxious or unpleasant event with the normal dosage of medication to a man that causes harm or risk of life to the patient.
ADRs are classified based on severity such as:-
- mild
- moderate
- severe

Classification

1. Type A ADR [Augmented]: Suspected.
2. Type B ADR [Bizarre]: Unpredicted.
3. Type C ADR [Continuous]: Due to chronic use.
4. Type D ADR [Delayed]: Appears after long period of time.

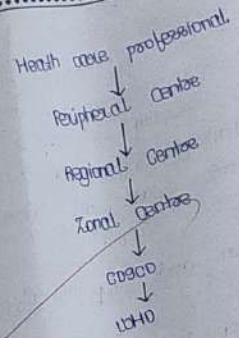
Reporting, Evaluation and Management of ADR
When a Healthcare professional comes across a case that is their moral duty to report.

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Sheet No.: 02

Signature of Investigator with date
18-11-2019



- Who can Report?
- All Health care professionals such as doctors, Nurses, Pharmacists, Pharmaceutical manufacturing Companies.
- Where to Report?
- To the nearest ADR Monitoring Committee.
- What to Report?
- Any suspected ADR serious or non-serious. Known or unknown, frequent or rare.
- ADR Reporting consists of

1. Patient Information
2. Adverse Reaction
3. Description
4. Level of severity
5. Ann start and end date
6. Whether it stopped on stopping the drug
7. Name
8. Strength
9. Dose
10. Frequency
11. Time

4. Management of ADR

5. Reported Details

⇒ Evaluation

- Evaluation for the severity of ADR
- Rechallenge or Rechallenge information
- Questions of Naranjo scale and score.

⇒ Management of ADR

After the evaluation and reporting of ADR, we go for management:

- Stop the medication immediately in case of Anaphylactic shock.
- It is not necessary to stop all the medications in case of an ADR
- Stop Non-essential drugs first Based on priority.
- If the ADR is dose-related:
 - ↓ the dose
 - ↓ the frequency.
- In case of withdrawal of medication, monitor the patient closely for
 - Withdrawal
 - Post-drug
- If the patient requires the medication, substitute the drug.
- ↓ dose of drug.
- If the drug is essential medication, provide medication for symptomatic relief.

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Sheet No. 08

Signature of Investigator with date

Information Centre

Information Centre is an area where a pharmacist specializes in providing drug to the Health professionals, Industries, Community, Patients and Public on request.

Information Centre has various sources of data which is beneficial to others. WHO recognizes individual PIC as the primary centre for providing information on Rational Use of Drugs.

Functions

- The primary function of PIC is to respond to the enquiries of the drug.
- It also provides information to public on request.
- Some PIC also provides information on Toxicology.

The various functions of drug Information Centre are as follows:

1. Drug evaluation
2. Therapeutic Advice
3. Pharmaceutical Advice
4. Education and Training
5. Research
6. Disseminating information
7. Pharmacovigilance
8. Toxicology

1. Drug Evaluation

This involves the therapeutic aspects of drug and whether it is suitable for a particular disease state.

2. Therapeutic Advice

Therapeutic advice includes all the information on drug such as:

- Safety and efficacy
- Usage
- Preferred Route
- Dosage form and Time
- Drug Interaction
- ADR's

3. Pharmaceutical Advice

This is providing information on the formulation, stability, storage of the drug.

4. Education and Training

DIC aims to educate and train the members on new concepts of drug, Continuous learning and Training of New staff.

5. Research

The DIC is actively involved in various fields of research on

- Drug Development
- Clinical Trials
- Pharmacovigilance

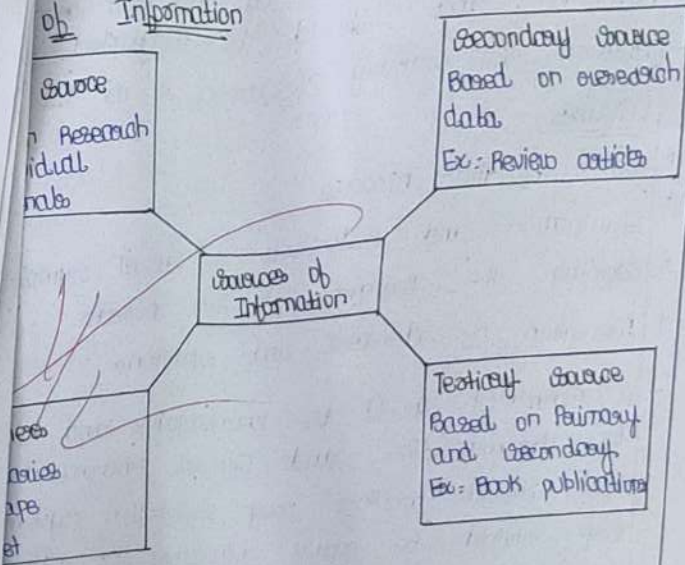
6. Pharmacovigilance

Pharmacovigilance is defined as the process of monitoring of ADR's

data on the ADR's reported can be accessed to provide better service to their public.

It involves the process of providing information on cases. This is better suited for Hospitals. It maintains a good liaison with Toxicology Dept.

of Information



consists of:

cases
management
documentation

Roll No. 04

Sheet No. 04

Ans Pharmaceutical Care Concept

- Pharmaceutical care is defined as a process through which pharmacist co-operates with the patient and other healthcare professionals to design, monitor and implement a Therapeutic plan to be effective for the patient.
- Pharmaceutical care is an important aspect of Healthcare and should be integrated with it.
- However, the primary focus of it is the patient.

Outcomes

1. Cure of the disease
2. Elimination and Reduction of Patient symptoms
3. Slowing the progress of the disease
4. Prevention of disease and symptoms

- A Pharmacist should be knowledgeable and skillful in Pharmaceutics and Clinical Pharmacology.
- They should mobilise Drug Distribution system
- They should be easily available for patient

Functions

The important functions of Pharmaceutical care are:

- Identifying Potential and Actual Drug Related Problems
- Preventing Potential Drug Related Problems
- Resolving actual Drug Related Problems

Process of Pharmaceutical Care

1. Establishing Pharmacist - Patient Relationship

- Patient data
- Collect data
- Identifying drug related problems
- Analysing problems
- Planning outcome
- Develop Therapeutic plan
- Develop monitoring plan
- Implement Pharmaceutical care plan
- Evaluation of Patient data
- Pharmacist must devise subjective and objective
- Data on
- Patient demographic Profile
- Past Medical History
- Medication History
- Pregnancy/Lactation
- Social History
- Financial status

- The source of data can be Patient's medical records, other healthcare providers, relatives or care-givers.

⇒ Identifying Drug Related Problems
The core concept of Pharmaceutical care is identifying Drug Related Problems. They can arise due to:

- Compliance
- Interactions
- Administration
- Types of Drug Related Problems
- Overdose
- Inappropriate administration

- Drug Interactions
- ADA
- Wrong Drug Intake

⇒ Devising Outcomes

Every Drug Therapy has a positive or negative outcome. It also depends on how patient perceives their case plan.

- medication use and effectiveness
- duration.

⇒ Evaluating for Alternative drugs and developing Monitoring Plan

The choice of alternate drugs depends on

- drug safety and efficacy
- Cost and Availability
- Potential side effects of drug.

⇒ Documentation

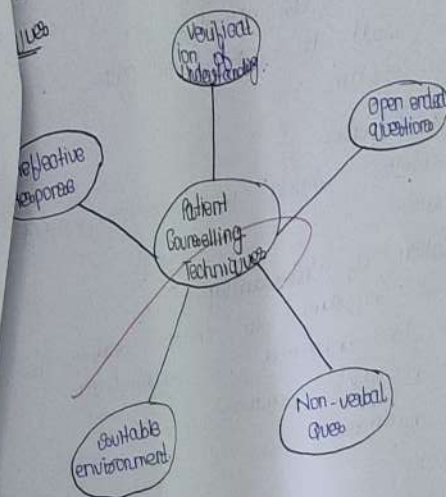
- The last and a crucial step of Pharmaceutical case concepts is the documentation of Patient details throughout the stay in Hospital.
- Documentation helps to devise the case for Health-care providers and make the necessary updates.
- It should be done by the Pharmacist and maintained for a few years after the patient is discharged.

Roll Sheet No.: 05

Signature of Investigator with date 1/5/24

Counselling

Counselling is a broad term that includes the process of providing information to the patient by professionals. It can be done individually or in a group either the patient or caregiver.



Open - Ended questions

- The open ended questions start with 'what, where, how, when, etc' and requires more than a yes/no or a reply.
- This helps to get better understanding of patient.

Example:

What did the doctor tell you about taking your medications.

or Non-verbal cues

Non-Verbal Cues

The non-verbal communication plays a vital role in effective and successful patient counselling.

- Facial expressions - friendly and smiling
- Eye contact to be maintained
- Tone of voice to be altered
- Posture should be relaxed and calm
- Healthy distance

Reflective Responses

- The counsellor should be empathetic towards the patient.

Verification of Understanding

- It is important to ensure whether the patient has understood the counselling.
- Have a quick summary
- Ask questions.

Conclusion

Conclude with answering their queries.

Medication History Interview

Medication History Interview is the process of forming a rapport with the patient, devising preliminary counselling and help to design a suitable Therapeutic Case plan for the patient.

Goals

- obtaining Patient data.

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Roll No.: 161710009

Page No.: 06

Signature of Investigator with Date 16/12/24

Preparation for Interview

Prepare a list of all the questions to be asked to yourself. The patient wish to object the interview.

Objectives of Interview

To obtain complete information on

medications

indications

previous ADR

interactions

- morbidities

Help to devise a suitable case plan for the patient the doctor with information on previous conditions.

Identify drugs for specific disease conditions and what medications to be avoided.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD-500085

BHARAT INSITUTUTE OF TECHNOLOGY(17)
M.Pharmacy - R22 - I Year - II Semester
PHARMACEUTICS

Final University Consolidated Internal Marks Report-Date- 23-08-2023 14.04.57

HTNO	680304	680305	6803AT	6803AV	6803AW	6803AX	6803BA	A680306	P680307	S680306	V680307
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Subject Code

Subject Name

6803BA	NANO BASED DRUG DELIVERY SYSTEMS
680304	MODERN PHARMACEUTICS II LAB
S680306	SEMINAR MARKS
6803AT	STRESS MANAGEMENT BY YOGA
6803AW	ADVANCED DRUG DELIVERY SYSTEMS
A680306	ASSIGNMENT MARKS
680305	ADVANCED DRUG DELIVERY SYSTEM LAB
6803AV	MODERN PHARMACEUTICS II
V680307	MINI PROJECT VIVAVOCE MARKS
6803AX	INDUSTRIAL PHARMACY
P680307	MINI PROJECT PRESENTATION MARKS

Signature Of Principal with date & Office seal



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BHARAT INSTITUTE OF TECHNOLOGY(17)

University External Exam Final Award List

M.Pharmacy R22-I Year II Semester Regular

PHARMACEUTICS, SECTION-A

MODERN PHARMACEUTICS II LAB (680304)

Maximum Marks: 75

Date: 2023-08-23 14.03.07

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4	22171S0304	64
5	22171S0305	68
6	22171S0306	67

Signature of External Examiner

Signature of Internal Examiner

Signature of The Principal With Date & Office Seal



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD-500085

BHARAT INSITUTUTE OF TECHNOLOGY(17)
B.Pharmacy - R17 - IV Year - I Semester

B.Pharmacy

Final University Consolidated Internal Marks Report-Date- 2023-12-28 14.13.08

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ite : '-1' indicates student is absent for the exam.

Subject Code	Subject Name
24703	INDUSTRIAL TRAINING
247AD	NOVEL DRUG DELIVERY SYSTEMS
247AG	PHARMACOVIGILANCE
247AA	INSTRUMENTAL METHODS OF ANALYSIS
24702	PRACTICE SCHOOL
247AC	PHARMACY PRACTICE
247AB	INDUSTRIAL PHARMACY II
24701	INSTRUMENTAL METHODS OF ANALYSIS LAB

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28/12/22



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD-500085

BHARAT INSITUTUTE OF TECHNOLOGY(17)

University External Exam Final Award List

R17- IV Year B.Pharmacy I Semester Regular

B. Pharmacy, SECTION-A

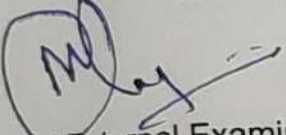
INSTRUMENTAL METHODS OF ANALYSIS LAB (24701)

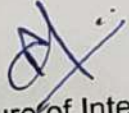
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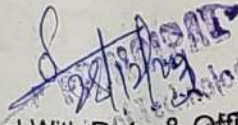
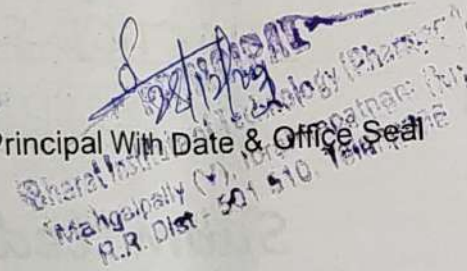
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41	20171R0046	71
42	20171R0047	70
43	20171R0048	71
44	20171R0049	70
45	20171R0050	71


Signature of External Examiner


Signature of Internal Examiner


Signature of The Principal With Date & Office Seal




SHARALAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD-500085
BHARAT INSITUTUTE OF TECHNOLOGY(17)

University External Exam Final Award List

R17- IV Year B.Pharmacy I Semester Regular

B.Pharmacy,SECTION-B

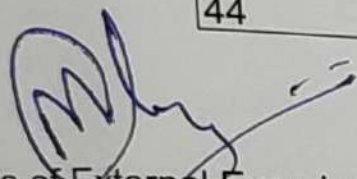
INSTRUMENTAL METHODS OF ANALYSIS LAB (24701)

Maximum Marks: 75

Date: 2023-12-28 14.18.49

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43	20171R0098	72
44	20171R0099	70



Signature of External Examiner



Signature of Internal Examiner

Signature of The Principal With Date & Office Seal

8/28/23
 Bharat Institute of Technology (Ph.D.)
 Mangalpally (V), Ibrahimpet
 P.R. Dist - 501 510, Telangana



HARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD-500085
BHARAT INSTITUTE OF TECHNOLOGY(17)

University External Exam Final Award List
R17- IV Year B.Pharmacy II Semester Regular

B.Pharmacy, SECTION-B
PROJECT WORK (24801)

Maximum Marks: 75

Date: 2024-06-01 18.15.29

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83 ne Day
Signature of External Examiner

[Signature]
Signature of Internal Examiner

[Signature]
Signature of The Principal With Date & Office Seal

PRINCIPAL
Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510. Telangana.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD-500085

BHARAT INST. OF TECH. PHARMA(17)
Pharm.D - R08 - IV Year
PHARM D

Final University Consolidated Internal Marks Report-Date- 2024-05-27 13.42.48

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20171T0026	27	28	27	28	24	28	25	27	24	20
20CG1T0012	26	26	24	25	26	28	27	27	24	24
Total:25	64 6	69 4	63 4	68 7	60 3	69 9	63 5	65 6	56 2	53 2

Subject Code	Subject Name
PD407	PHARMACOTHERAPEUTICS III LAB
PD406	CLINICAL TOXICOLOGY
PD405	BIOPHARMACEUTICS & PHARMACOKINETICS
PD404	BIostatISTICS & RESEARCH METHODOLOGY
PD403	CLINICAL PHARMACY
PD402	HOSPITAL PHARMACY
PD401	PHARMACOTHERAPEUTICS III
PD410	BIOPHARMACEUTICS & PHARMACOKINETICS LAB
PD409	CLINICAL PHARMACY LAB
PD408	HOSPITAL PHARMACY LAB

** indicates that Marks exceeding the Max.m

SP. 02/19/22
Mangalpur
P.R. Dha
2 Technology (Pharmacy)
Ibrahimainam
Tet...



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD-500085

BHARAT INST. OF TECH. PHARMA(17)

University External Exam Award List

R08- IV Year Pharm.D

PHARMACOTHERAPEUTICS III LAB (PD407)

Maximum Marks: 70

Date: 2024-05-28 15.48.19

S.No	HTNO	MARKS AWARDED
1	20171T0001	47
2	20171T0002	45
3	20171T0003	45
4	20171T0004	49
5	20171T0005	45
6	20171T0006	49
7	20171T0007	46
8	20171T0009	50
9	20171T0010	45
10	20171T0011	45
11	20171T0012	51
12	20171T0013	57
13	20171T0014	45
14	20171T0015	45
15	20171T0016	46
16	20171T0017	48
17	20171T0019	45
18	20171T0020	51
19	20171T0021	45
20	20171T0022	53
21	20171T0023	53
22	20171T0024	45
23	20171T0025	45
24	20171T0026	46
25	20CG1T0012	47

Signature of External Examiner

Signature of Internal Examiner

PRINCIPAL
Bharat Institute of Technology (Pharma)
Mangalpally (Vijayapuri) Hyderabad-501510
28/5/24



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, HYDERABAD-500085
BHARAT INST. OF TECH. PHARMA(17)
University External Exam Award List
R08- IV Year Pharm.D
HOSPITAL PHARMACY LAB (PD408)

Maximum Marks: 70

Date: 2024-05-28 15.48.34

S.No	HTNO	MARKS AWARDED
1	13171T0004	-1 50
2	20171T0001	59
3	20171T0002	61
4	20171T0003	62
5	20171T0004	65
6	20171T0005	60
7	20171T0006	63
8	20171T0007	63
9	20171T0009	67
10	20171T0010	58
11	20171T0011	62
12	20171T0012	66
13	20171T0013	67
14	20171T0014	62
15	20171T0015	60
16	20171T0016	62
17	20171T0017	63
18	20171T0019	59
19	20171T0020	64
20	20171T0021	60
21	20171T0022	61
22	20171T0023	66
23	20171T0024	59
24	20171T0025	58
25	20171T0026	66
26	20CG1T0012	64

Signature of External Examiner

Signature of Internal Examiner

PRINCIPAL
Bharat Institute of Technology (Pharmar)
Hyderabad



BHARAT INSTITUTE OF TECHNOLOGY

(Approved by AICTE & PCI, New Delhi and Affiliated to JNTU, Hyderabad)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana.
Ph : 08414-252265, Fax : 08414-252645, E-mail : bitpharm@yahoo.com

To
The Controller of Examination,
JNTUH, Kukatpally
Hyderabad, Telangana

Date: 31/07/2023

Sub: Submission of DD for RC/RV (Revaluation) of B. Pharmacy IV-II Student - [College Code: 17] - Reg.

Respected Sir/Madam,

With respect to the subject cited above herewith I am submitting the DD (Rs. 1000/-) for RC/RV Revaluation of B. Pharmacy IV-II Student of our college. The details of DD are attached herewith.

Kindly accept the DD and do the needful in favor of the student for that I will be thankful to you.

Sl. No	Name of Student (s)	Hall ticket No	Name of Subject(s)	Code of the subject(s)	DD Amount (Rs)	DD No / Date
B. Pharm IV-II						
1	P.RAKESH	19171R0065	BIOSTATICS AND RESEARCH METHODOLOGY	248AA	1000/-	IT00RRVPF8 (28-07-23)

Thanking you.

Yours' Faithfully

Principal
PRINCIPAL

Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510. Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

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Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana.
Ph : 08414-252265, Fax : 08414-252645, E-mail : bltpharm@yahoo.com

Ref.:

Date: 31/08/2023

To

The Controller of Examination,
JNTUH, Kukatpally
Hyderabad, Telangana

01 SEP 2023

8768

Sub: Submission of Online Payment receipt for RC/RV (Revaluation) of B. Pharmacy III-I, III-II, IV-I, IV-II Students - [College Code: 17] - Reg.

Respected Sir/Madam,

With respect to the subject cited above herewith I am submitting the Online Payment receipt (Rs. 3000/-) for RC/RV Revaluation of B. Pharmacy III-I, III-II, IV-I, IV-II Student of our college. The details of Online Payment are attached herewith.

Kindly accept the Online payment and do the needful in favor of the student for that I will be thankful to you.

Sl. No	Name of Student (s)	Hall ticket No	Name of Subject(s)	Code of the subject(s)	DD Amount (Rs)	DD No / Date
B. Pharm III-I, III-II, IV-I, IV-II Year						
1.	G.NAGESH	19171R0029	Instrumental methods of Analysis	247AA	1000/-	IT00SBEUN4 (26-08-23)
2.	K.VIKRAM	19171R0039	MEDICINAL CHEMISTRY-II	245AA	1000/-	IT00SBESZ2 (26-08-23)
3.	T.NAVEEN KUMAR	19171R0082	MEDICINAL CHEMISTRY-III	246AA	1000/-	IT00SBYJY7 (29-08-23)

Thanking you.

Yours Faithfully

Principal

[Signature]
Principal
Bharat Institute of Technology
Mangalpally (V)
Ibrahimpatnam (M.D. R.R. Rd.)





BHARAT INSTITUTE OF TECHNOLOGY

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Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana.
Ph : 08414-252265, Fax : 08414-252645, E-mail : bitpharm@yahoo.com

Date: 19/09/2023

To
The Controller of Examination,
JNTUH, Kukatpally
Hyderabad, Telengana

Sub: Request for issuing marks memo for B.Pharmacy-1sem (20171R0050)-
[College Code: 17] - Reg.

Respected Sir/Madam,

With respect to the subject cited above herewith I would like to bring to your kind notice that to issue the marks memo of B.Pharmacy-1st year 1 st sem (20171R0050) KRISHNA MURTY NADINI student as she applied for Name correction and that issue was resolved and she is getting corrected memos. But in 1st year memo the wrong name only reflecting kindly re-issue the corrected 1st year memo as soon as possible. Herewith I am attaching the photocopy of request letter for your kind perusal

Kindly look into the matter and issue the corrected memo for that I will be thankful to you.

Thanking you.

Yours Faithfully

Principal
PRINCIPAL

Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510, Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

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Ph : 08414-252265, Fax : 08414-252645, E-mail : bitpharm@yahoo.com

Ref.:

To
The Controller of Examination,
JNTUH, Kukatpally
Hyderabad, Telengana

Date: 31/07/2023

Sub: Submission of DD for RC/RV (Revaluation) of B. Pharmacy IV-II Student - [College Code: 17] - Reg.

Respected Sir/Madam,

With respect to the subject cited above herewith I am submitting the DD (Rs. 1000/-) for RC/RV Revaluation of B. Pharmacy IV-II Student of our college. The details of DD are attached herewith.

Kindly accept the DD and do the needful in favor of the student for that I will be thankful to you.

Sl. No	Name of Student (s)	Hall ticket No	Name of Subject(s)	Code of the subject(s)	DD Amount (Rs)	DD No / Date
B. Pharm IV-II						
1	P.RAKESH	19171R0065	BIOSTATICS AND RESEARCH METHODOLOGY	248AA	1000/-	IT00RRVPF8 (28-07-23)

Thanking you.

Yours' Faithfully


Principal

Principal
Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510, Telangana.



BHARAT INSTITUTE OF TECHNOLOGY

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Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana.
Ph : 08414-252265, Fax : 08414-252645, E-mail : bltpharm@yahoo.com

Ref.:

From

20/09/2023

The Principal
Bharat Institute of technology
Mangalpally, Ibrahimpatnam, 501510.

20 SEP 2023

Mail Id- principal.bit@biet.ac.in, Mobile no: - 9640909041 9455

To

The Controller of Examination,

Jawaharlal Nehru Technological University, Kukatpally
Hyderabad, Telangana

Sub: Submission of documents for grace marks eligible B. Pharmacy Student -
[College Code: 17] - Reg.

Respected Sir/Madam,

With respect to the subject cited above herewith I am submitting the documents for **GRACE MARKS** eligible B. Pharmacy Student of our college.

Kindly accept the documents and do the needful in favor of the student for that I will be thankful to you. The details of the students are:

Sl. No.	Hall Ticket No	Name	Year & Semester	Subject(s) applying for Grace marks	Marks obtained in external Exam
1	18171R0074	YAMJALA RAVALI	III-II	Pharmacology-III(246AB)	21

Thanking you.

Yours' Faithfully

Principal
PRINCIPAL

Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510, Telangana.

Enclosed:

1. Form 5 & Photocopies of all marks memo
2. Aadhar and ID Photocopies





BHARAT INSTITUTE OF TECHNOLOGY

(Approved by AICTE & PCI, New Delhi and Affiliated to JNTU, Hyderabad)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana.
Ph : 08414-252265, Fax : 08414-252645, E-mail : bitpharm@yahoo.com

Ref.:

From

19/03/2024

The Principal
Bharat Institute of technology
Mangalpally, Ibrahimpatnam, 501510.
Mail Id- principal.bit@biet.ac.in, Mobile no: - 9640909041

19 MAR 2024

To

1922

The Controller of Examination,
Jawaharlal Nehru Technological University, Kukatpally
Hyderabad, Telangana

Sub: Submission of documents for grace marks eligible B. Pharmacy Student -
[College Code: 17] - Reg.

Respected Sir/Madam,

With respect to the subject cited above herewith I am submitting the documents for **GRACE MARKS** eligible B. Pharmacy Student of our college.

Kindly accept the documents and do the needful in favor of the student for that I will be thankful to you. The details of the students are:

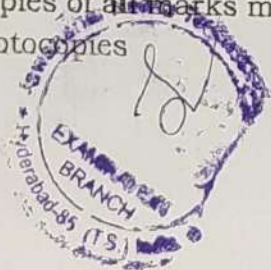
Sl. No.	Hall Ticket No	Name	Year & Semester	Subject(s) applying for Grace marks	Marks obtained in external Exam
1	19171R0039	K.VIKRAM	III-I	Medicinal chemistry-II(245AA)	14

Thanking you.

Yours' Faithfully

Enclosed:

1. Form 5 & Photocopies of all marks memo
2. Aadhar and ID Photocopies



Principal
PRINCIPAL
Bharat Institute of Technology (Pharmacy)
Mangalpally (V), Ibrahimpatnam (M),
R.R. Dist - 501 510, Telangana