

To,  
The Coordinator,  
NAAC, Bengaluru.

Subject: Proof of Reforms in the process and procedure in the conduct of evaluation/examination; including Continuous Internal Assessment to improve the examination system.

Reference: 2.5.3 Reforms in the process and procedure in the conduct of evaluation/examination; including Continuous Internal Assessment to improve the examination system.

Dear Sir/Madam,

2.5.3 Reforms in the process and procedure in the conduct of evaluation/examination; including Continuous Internal Assessment to improve the examination system.

Reforms in examination evaluation system

University level

## **B. PHARMACY**

### **2014-15**

- First Year yearly pattern and Second, Third and Fourth Year Semester Pattern
- Number of mid-term Examinations for First Year 03 and Second, Third and Fourth Year per semester: 02
- First mid-term examination conducted on 1 to 2.5 units of syllabus and second mid-term examination conducted on 2.5 to 5 unit.
- For first year the 1<sup>st</sup> mid-term examination conducted on I unit, 2<sup>nd</sup> mid-term examination on 1 and 2 units, 3<sup>rd</sup> mid-term examination conducted on 4 and 5 units.
- Max. Marks for sessional examination is 25 for both theory and practical.
- Max. Marks for university exam.is 75(Theory) and 50 (Practical).
- Mid-term examination consists of one objective paper (10marks), one essay paper (10marks) and one assignment (05arks) and for first year it is of 3 assignments.
- In Fourth year I semester a seminar presentation of 50marks, in II semester 100marks for project and comprehensive viva-voice of 100marks.
- Minimum instruction days yearly/semester is 180/90 days.
- Minimum attendance requires for write the exam is 75%
- Percentage of mark required for award of degree is 35% marks in the end examination and 40% marks in sum total of mid-term and end examination and a total of 224 credit.

### **2015-16**

- In this academic ear R15 regulation was implemented.
- First Year yearly pattern and Second, Third and Fourth Year Semester Pattern

- No. of mid-term Examinations for First Year 03 and Second, Third and Fourth Year per semester: 02
- First mid-term examination conducted on 1 to 2.5 units of syllabus and second mid-term examination conducted on 2.5 to 5 unit.
- For first year the 1<sup>st</sup> mid-term examination conducted on I unit, 2<sup>nd</sup> mid-term examination on 1 and 2 units, 3<sup>rd</sup> mid-term examination conducted on 4 and 5 units.
- Mid-term examination consists of one objective paper (10marks), one essay paper (10marks) and one assignment (05arks) and for first year it is of 3 assignments.
- \*Gender sensitization (as a Lab subject) was added as a new compulsory subject in II/I semester with a credit of 2.
- Total credit increase from 224 to 226.
- \*A student will not be promoted from I Year to II Year unless he fulfills the academic requirement of 28 credits out of 56 credits of I year from all the examinations and secures prescribed minimum attendance in I year
- Max. Marks for sessional examination is 25 for both theory and practical.
- Max. Marks for university exam.is 75(Theory) and 50 (Practical).
- In Fourth year I semester a seminar presentation of 50marks, in II semester 100marks for project and comprehensive viva-voice of 100marks.
- Minimum instruction days yearly/semester is 180/90 days.
- Minimum attendance requires for write the exam is 75%
- Percentage of mark required for award of degree is 35% marks in the end examination and 40% marks in sum total of mid-term and end examination and a total of 226 credit.

### **2016-17**

- B. Pharmacy First Year semester pattern implemented.
- Total of 4 year (8 semester)
- Total mid-term examination 02 per semester.
- Choice Based Credit System (CBCS)

- Each semester is structured to provide 24 credits, totaling to 192 credits for the entire B. Pharm. programme.
- Student shall secure 192 credits (with CGPA  $\geq 5$ ) required for the completion of program.
- Total instruction weeks/days (22 weeks/ $\geq 90$  days)
- Each semester having - '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 AICTE are followed.
- Courses like environmental science, human values and professional ethics, gender sensitization lab and other student activities like NCC/NSO and NSS are identified as mandatory courses. These courses will not carry any credits.
- Max. Marks for sessional examination is 25 for both theory and practical.
- Max. Marks for university exam. is 75 (both Theory and Practical).
- In Fourth year I semester a seminar presentation of 50marks, in II semester 100 marks for project and comprehensive viva-voce of 100marks.
- For mandatory courses environmental science, human values and professional ethics and gender sensitization lab, a student has to secure 40 marks out of 100 marks (i.e. 40% of the marks allotted) in the continuous internal evaluation for passing the subject/course.
- No marks or letter grade shall be allotted for all mandatory/non-credit courses.
- 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.
- Implementation of SGPA
- A student shall be declared successful or 'passed' in a semester, if student secures a GP  $\geq 5$  ('C' grade or above) in every subject/course in that

semester (i.e. when student gets an SGPA  $\geq 5.00$  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 CGPA  $\geq 5.00$  for the award of the degree as required.

- Should have secured a CGPA  $\geq 8.00$ , at the end of each of the 8 sequential semesters, starting from first year first semester onwards.

### **2017-18**

- Semester pattern (4 year/8 semester), 2 semester examinations per each year.
- Choice Based Credit System (CBCS)
- 196 credits (with CGPA  $\geq 5$ ) required for the completion of the under graduate programme and award of the B. Pharmacy degree.
- Total instruction duration 22 weeks ( $\geq 90$  days) for each semester
- Each semester have - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS)
- Courses like environmental science, human values and professional ethics, gender sensitization lab and other student activities like NCC/NSO and NSS are identified as mandatory courses. These courses will not carry any credits.
- 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 35% marks (26 out of 75 marks) in the semester end examination, and a minimum of 40% 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 'C' grade or above in that subject/ course.
- A student shall register for all subjects covering 196 credits as specified and listed in the course structure, fulfills all the attendance and academic requirements for 196 credits, 'earn all 196 credits' by securing SGPA  $\geq 5.0$

(in each semester) and CGPA (at the end of each successive semester)  $\geq$  5.0 to successfully complete the under graduate programme.

- After securing the necessary 196 credits as specified for the successful completion of the entire under graduate programme, the student can avail exemption of two subjects up to 6 credits, that is, two open elective subjects for optional drop out from these 196 credits.
- The performance of a student in every subject/course will be evaluated for 100 marks each, with 25 marks allotted for CIE (Continuous Internal Evaluation) and 75 marks for SEE (Semester End Examination).
- Each mid-term examination consists of one objective paper (10marks), one descriptive paper(10marks) and one assignment (5marks).
- First mid-term examination conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus.
- Practical subjects there is a continuous internal evaluation during the semester for 25 sessional marks and 75 semester end examination marks.
- Out of the 25 marks for internal evaluation (day-to-day work in the laboratory is evaluated for 15 marks and internal practical examination s evaluated for 10 marks).
- In B. Pharmacy IV/II a major project is evaluated for 100 marks (25 marks shall be allotted for internal evaluation and 75 marks for the end semester examination viva voce).
- In mandatory courses environmental science, human values and professional ethics, gender sensitization lab and Industrial Training ais evaluated for 100 marks and 40 marks out (i.e. 40% )of the marks allotted in the continuous internal evaluation for passing the subject/course.
- The mark sheet of mid-term examination shown to the students and signature taken from the students against the marks awarded to them.
- No marks or letter grade shall be allotted for all mandatory/non-credit courses.

## 2018-19

- Semester pattern (4 year/8 semester), 2 semester examinations per each year.
- Choice Based Credit System (CBCS)
- 196 credits (with CGPA  $\geq 5$ ) required for the completion of the under graduate programme and award of the B. Pharmacy degree.
- Total instruction duration 22 weeks ( $\geq 90$  days) for each semester
- Each semester has - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS)
- Courses like environmental science, human values and professional ethics, gender sensitization lab and other student activities like NCC/NSO and NSS are identified as mandatory courses. These courses will not carry any credits.
- 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 35% marks (26 out of 75 marks) in the semester end examination, and a minimum of 40% 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 'C' grade or above in that subject/ course.
- A student shall register for all subjects covering 196 credits as specified and listed in the course structure, fulfills all the attendance and academic requirements for 196 credits, 'earn all 196 credits' by securing SGPA  $\geq 5.0$  (in each semester) and CGPA (at the end of each successive semester)  $\geq 5.0$  to successfully complete the under graduate programme.
- After securing the necessary 196 credits as specified for the successful completion of the entire under graduate programme, the student can avail exemption of two subjects up to 6 credits, that is, two open elective subjects for optional drop out from these 196 credits.

- The performance of a student in every subject/course will be evaluated for 100 marks each, with 25 marks allotted for CIE (Continuous Internal Evaluation) and 75 marks for SEE (Semester End Examination).
- Each mid-term examination consists of one objective paper (10marks), one descriptive paper(10marks) and one assignment (5marks).
- First mid-term examination conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus.
- Practical subjects there is a continuous internal evaluation during the semester for 25 sessional marks and 75 semester end examination marks.
- Out of the 25 marks for internal evaluation (day-to-day work in the laboratory is evaluated for 15 marks and internal practical examination s evaluated for 10 marks).
- In B. Pharmacy IV/II a major project is evaluated for 100 marks (25 marks shall be allotted for internal evaluation and 75 marks for the end semester examination viva voce).
- In mandatory courses environmental science, human values and professional ethics, gender sensitization lab and Industrial Training ais evaluated for 100 marks and 40 marks out (i.e. 40% )of the marks allotted in the continuous internal evaluation for passing the subject/course.
- The mark sheet of mid-term examination shown to the students and signature taken from the students against the marks awarded to them.
- No marks or letter grade shall be allotted for all mandatory/non-credit courses.

### **In institution level**

The JNTUH University, Hyderabad, to which the institute is affiliated is very active in introducing evaluation reforms to maintain high standards of quality. The institute has adopted the following reforms introduced by the university:

- Introduction of jumbling system of examination Centre in end semester exams.



- Examination centers are decided by the JNTUH.
- Grading of weightage for both internal examinations.
- The total internal evaluation carries 25% weightage
- Weightage for Mid Marks
  1. 10 marks for Descriptive
  2. 10 Marks for Objective
  3. 5 Marks for Assignment.
- Student focused learning through assignments, projects, seminars and practical sessions are also considered as evaluation tools.
- The college strongly believes in continuous evaluation system which is implemented effectively in all laboratories for the practical work. Viva-voce is conducted after each experiment done by the students and marks are awarded for the experimental work and viva every week.
- Slip test/Surprise tests are conducted for continuous assessment.
- Introduction of seating plan for internal examinations.
- Allotment of inter departmental invigilators during internal examinations to ensure integrity in the examination process.
- Provision of access to students to verify answer scripts and challenge the evaluation.
- Specially appointed squads to monitor the conduct of internal exams.
- Display of mid-term marks in notice board
- Submission of mid-term question paper by the subject teacher 2 days prior of examination to exam branch.
- Corrected answer sheet submitted to exam. section within three days from the date of conduct of examination.
- The mid-term exam award list is verified by the Principal and signed.
- Submission of mid-term question paper by the subject teacher 2 days prior of examination to exam branch.
- Corrected answer sheet submitted to exam. section within three days from the date of conduct of examination.

- The mid-term exam award list is verified by the Principal and signed.

## **M. Pharmacy**

### **2014-2015**

- Post-Graduate Degree Programmes in Pharmacy (PGP in Pharmacy) is of Two Years (Four Semesters) under Choice Based Credit System (CBCS).
- The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks for theory and 100 marks for practicals, on the basis of Internal Evaluation and End Semester Examination.
- The examination is evaluated for total of 86 credits
- Total instruction duration 22 weeks ( $\geq 90$  days) for each semester
- Max. Marks for sessional examination is 40 for both theory and practical.
- Max. Marks for university exam. is 60 (Theory) and 60 (Practical).
- Mid-term examination consists of two parts Part A as compulsory question (16 marks) which consist of four sub-questions and carries 4 marks each and Part B with 3 questions to be answered out of 5 questions each question for 5 marks.
- A seminar presentation is evaluated for 100 marks in I year I and II semester.
- A comprehensive viva-voice of 100 marks conducted in II year I semester
- A candidate shall be deemed to have secured the minimum academic requirement in a subject if he secures a minimum of 40% of marks in the end semester Examination and a minimum aggregate of 50% of the total marks in the End Semester Examination and Internal Evaluation taken together.

#### Evaluation of Project/Dissertation Work

- A Project Review Committee (PRC) shall be constituted with Principal as Chairperson, Heads of all the Departments offering the M. Pharm. Programs and two other senior faculty members.

- Registration of Project Work: A candidate is permitted to register for the project work after satisfying the attendance requirement of all the subjects, both theory and practical subjects.
- After satisfying the above criteria a candidate has to submit, in consultation with his project supervisor, the title, objective and plan of action of his project work to the Departmental Academic Committee for its approval. Only after obtaining the approval of the Departmental Academic Committee can the student initiate the Project work.
- If a candidate wishes to change his supervisor or topic of the project he can do so with the approval of the Departmental Academic Committee.
- However, the Departmental Academic Committee shall examine whether or not the change of topic/supervisor leads to a major change of his initial plans of project 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.
- A candidate shall submit his status report in a bound-form in two stages at least with a gap of 3 months between them.
- The work on the project shall be initiated at the beginning of II year and the duration of the project is two semesters. A candidate is permitted to submit Project Thesis only after successful completion of theory and practical courses with the approval of PRC not earlier than 40 weeks from the date of registration of the project work. For the approval of PRC the candidate shall submit the draft copy of thesis to the Principal through Head of the Department and make an oral presentation before the PRC.
- The thesis shall be adjudicated by one examiner selected by the University. For this, the Principal of the College shall submit a panel of 5 examiners, who are eminent in that field, with the help of the guide concerned and head of the department.
- If the report of the examiner is not favorable, the candidate shall revise and resubmit the Thesis, in the time frame as decided by the PRC. If the report of the examiner is unfavorable again, the thesis shall be summarily rejected.
- If the report of the examiner is favorable, Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the examiner who adjudicated the Thesis. The Board shall jointly report the candidate's work as one of the following:

A. Excellent

B. Good

C. Satisfactory

D. Unsatisfactory

- If the report of the Viva-Voce is unsatisfactory, the candidate will retake the Viva-Voce examination only after three months. If he fails to get a satisfactory report at the second Viva-Voce examination as well, he will not be eligible for the award of the degree.

### **2015-20116**

- A two-year program of 4 semester
- Absolute Grading System (UGC Guidelines) was implemented.
- The examination is evaluated for total of 86 credits.
- The minimum instruction days in each semester are 90.
- The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks for theory and 100 marks for practicals, on the basis of Internal Evaluation and End Semester Examination.
- For the theory and practical 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).
- Each mid-term examination question paper consists of Part A as compulsory question (10 marks) consisting of 5 sub-questions carrying 2 marks each, and Part B with 3 questions to be answered out of 5 questions, each question carrying 5 marks.
- The Semester End Examination is conducted for 75 marks. It consists of two parts. Part-A for 25 marks and Part-B for 50 marks. Part-A is a compulsory question consisting of 5 questions, one from each unit and carries 5 marks each and Part-B to be answered 5 questions carrying 10 marks each.
- The student present total of two seminar one in I/I & I/II semester each seminar is evaluated for 50 marks.

- A Comprehensive Viva-Voce in II year I Semester is conducted and evaluated for 100 marks.
- A minimum of 40% of marks in the Semester End Examination and a minimum aggregate of 50% of the total marks in the Semester End Examination and Continuous Internal Evaluation taken together is required as academic requirement.

#### Evaluation of Project/Dissertation Work

- ANTI-PLAGIARISM for the quality check implemented.(24%)
- A Project Review Committee (PRC) shall be constituted with Principal as Chairperson, Heads of all the Departments offering the M. Pharm. Programs and two other senior faculty members.
- Registration of Project Work: A candidate is permitted to register for the project work after satisfying the attendance requirement of all the subjects, both theory and practical subjects.
- After satisfying the above criteria a candidate has to submit, in consultation with his project supervisor, the title, objective and plan of action of his project work to the Departmental Academic Committee for its approval. Only after obtaining the approval of the Departmental Academic Committee can the student initiate the Project work.
- Two project review evaluation is carried out, one in II/I and another is on II/II for 50 marks each. PRC 25 marks and Supervisor will 25 marks.
- Project Evaluation (Viva Voce) in II Year II Sem. there is an external mark of 150 and the same evaluated by the External examiner appointed by the University.
- However, the Departmental Academic Committee shall examine whether or not the change of topic/supervisor leads to a major change of his initial plans of project 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.
- A candidate shall submit his status report in a bound-form in two stages at least with a gap of 3 months between them.
- The work on the project shall be initiated at the beginning of II year and the duration of the project is two semesters. A candidate is permitted to submit Project Thesis only after

successful completion of theory and practical courses with the approval of PRC not earlier than 40 weeks from the date of registration of the project work. For the approval of PRC the candidate shall submit the draft copy of thesis to the Principal through Head of the Department and make an oral presentation before the PRC.

- The thesis shall be adjudicated by one examiner selected by the University. For this, the Principal of the College shall submit a panel of 5 examiners, who are eminent in that field, with the help of the guide concerned and head of the department.
- If the report of the examiner is not favorable, the candidate shall revise and resubmit the Thesis, in the time frame as decided by the PRC. If the report of the examiner is unfavorable again, the thesis shall be summarily rejected.
- If the report of the examiner is favorable, Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the examiner who adjudicated the Thesis. The Board shall jointly report the candidate's work as one of the following:

### **2016-2017**

Same as 2015-2016

### **2017-2018**

- A two-year program of 4 semester under Choice Based Credit System (CBCS)
- Each Semester shall be of 22 weeks duration (inclusive of Examinations), with a minimum of 90 instructional days per Semester
- Each Semester shall have 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS)
- The performance of a student in each semester is evaluated subject- wise (irrespective of credits assigned) for a maximum of 100 marks. The M. Pharm. Project work (major project) will also be evaluated for 100 marks.

- For the theory and practical 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).
- Two Mid-Term Examinations conducted.
- The student present total of two seminar one in I/I & I/II semester each seminar is evaluated for 100 marks.
- A Comprehensive Viva-Voce and it is evaluated for a maximum of 100 marks in II/I.
- Project Review I is conducted in consultation with his Project Supervisor, the title, objective and plan of action of his project work to the Project Work Review Committee (PRC) for approval in within four weeks from the commencement of Second year First Semester.
- The Project Review II in II Year I Sem. and Project Review Iii in II Year II Sem. carries internal marks of 100. (50 mark evaluated by PRC and 50 marks by supervisor)
- For Project Evaluation (Viva Voce) in II Year II Sem. there are external marks of 100 and it is evaluated by the external examiner.
- After approval from the PRC, a soft copy of the thesis should be submitted for ANTIPLAGIARISM check.
- The Thesis will be accepted for submission, if the similarity index is less than **30%**.

### **2018-2019**

Same as 2017-2018

### **Pharm. D & Pharm. D (PB)**

- Pharm. D is Yearly Pattern, a 6 Year course; Pharm. D(PB) is 3 ears course.
- Total number of mid-term examination 3 per year.
- The performance of student is evaluated for 100 marks for both theory and practical.
- University examination is evaluated for 70 marks for both theory and practical and 30 marks for Continuous Internal Evaluation (CIE).

- In sessional practical examination the 30 mark is divided as 20 marks for performance in sessional examination and 10 marks for day to day assessment.
- In fifth year clerkship (Attending ward rounds on daily basis) examination is evaluated about a mark of 100 (70 marks for external examination and 30 marks for sessional examination).
- In fifth year the project work is evaluated for 100 marks.
- In sixth year Pharm. D students are going internship or residency training in speciality units



Procedure in the conduct of evaluation/examination; including Continuous Internal Assessment to improve the examination system

1. Each Semester will consist of a minimum of 22 weeks instructions. or 90 instructional days (minimum instructional days)
2. 75% attendance for both theory and practical classes separately shall be mandatory to appear for Sessional examination and end semester examination.
3. In-semester assessment for 25 marks should be continuous and at least two tests should be conducted.
4. Written test for 10 marks and Short quizzes for 10marks are selected for in-semester assessment.
5. The concern teacher in consultation with the head of Department shall decide the nature of question for the assessment.
6. There will be a minimum of one sessional examination of 25 marks conducted in each semester after minimum eight weeks of teaching from the date of commencement of that semester in each of the theory subjects during the semester.
7. For the practical head two modules are selected i) Written test based on practical knowledge for 10 marks ii) Daily assessment of practical for 10 marks which includes day to day attendance, learners' skills (performance), viva, laboratory record, etc.
8. Examination schedule displayed at the start of each academic year. All the teachers are instructed to follow the schedule.
9. Question paper for the insem. assessment and Sessional examination should be submit by subject teachers well in advance.
10. All the subject teacher should conduct insem assessment as per the strict directions.
11. Students are kept aware about the timelines and duration of examination by proper system.

12. Then respective subject teachers are directed to evaluate the answer sheets in stipulated time.
13. Evaluated Sessional theory answer papers are shown to the students.
14. Mark sheet of individual subject is displayed on notice board.
15. Any grievance regarding the evaluation like total of marks and/ or any discrepancy are sorted out during the showing of answer sheets itself.
16. Extra efforts should be plan for improvement of examination
17. At the end of the year, the total internal marks (continuous assessment and Sessional exam) are shown to the students, which they sign upon confirmation of their marks. Examination committee supervises the entry of internal marks.