

# Examination Regulations for CBCS UG, PG programs and Ph.D.

(Approved by Examination Committee on 05 Nov 2018)

*EFFECTIVE FROM  
ACADEMIC SESSION MO-2018*



Based on Ordinances Approved by Academic Council in meetings no. 98 B (3 May 2018) and 99 (31 Oct. 2018)

**BIRLA INSTITUTE OF TECHNOLOGY**

(A Deemed to be University u/s 3 of UGC Act)

**MESRA, RANCHI – 835215 Jharkhand India**

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## I. UG PROGRAMME EXAMINATIONS

### 1. THEORY COURSES: The total of 100 marks are distributed as under:

**(i) Semester End Examination** **50%**

The question paper will have 5 questions with one question from each of the 5 modules in the syllabus and there will be no choice. All 5 questions need to be answered to ensure compliance of course outcome as required by graduate attributes.

**(ii) Continuous Internal Assessment** **50%**

The Continuous Internal Assessment shall consist of:

a) Mid semester examination **25%**

Mid semester examination will be conducted by the examination section of the Institute. The question paper shall not carry any choice. There shall be five (5) questions each carrying 5 marks ( $5 \times 5 = 25$  marks)

b) Two Quizzes **20 % ( $2 \times 10\%$ )**

There shall be two quizzes of 10 marks each. First quiz will be held before mid-semester examination and the second quiz before semester end examination. The two quizzes will be conducted by the department offering that course.

c) Teacher's Assessment **5%**

This assessment shall be decided by the teacher(s) conducting that course. This may consist of assignment (s) / attendance / performance / participation in class/ viva. However, the chosen assessment tool shall be announced in the class before its commencement and shall be same for all sections of that course and for the same course at all centres where this course is being offered.

Common courses taught for multiple sections of the same paper, Quiz (es) across all sections shall be uniform i.e. same question paper to be used for the quizzes and the quizzes to be conducted on the same day and at same time. For common papers the department shall take the service of one common coordinator who shall be responsible for setting up of the question paper in consultation with the course teacher(s). Coordinators shall be appointed by the respective HoD / Directors of the Centres as the case may be. If a course is taught by more than one teacher there shall be one common coordinator for the course.

### 2. LABORATORY COURSES: The total of 100 marks are distributed as under:

**(i) Continuous Internal Assessment** **60% (*Distribution is as follows*)**

a) Day to day performance & Lab files **30%**

b) Quiz (es) **10%**

c) Viva **20%**

Sub total of 2.(i) **60%**

**(ii) Semester End Examination** **40% (*Distribution is as follows*)**

a) Examination Experiment Performance **30%**

b) Quiz **10%**

Sub total of 2 (ii) **40%**

**Grand Total 2.(i)+ 2.(ii)**

**100%**

**3. UG PROJECT:** The total of 100 marks are distributed as under:

Project work may be carried out preferably independently or by a group of students not exceeding four (4). More than four students in a group shall be discouraged. Students opting for Industry Internship in lieu of project work shall do it preferably independently or as deemed by the concerned industry. Project work done in an outside institution shall be from institutions with current Engineering/Management/University NIRF ranking within forty. In the case of Pharmacy/Architecture students, the same shall be from institutions with current Pharmacy/Architecture NIRF ranking within twenty. In any case there shall be an academic guide from the parent institution. Students doing industry internship or research project in an outside organisation/ institute/university shall produce an internship / project completion certificate from the concerned organisation / institute /university to the HoD before the final examination.

Project evaluation shall be as follows:

a) External Examiner	50%
b) Project Guide	25%
c) DPEC	25%
<b>TOTAL</b>	<b>100%</b>

The Departmental Project Evaluation Committee (DPEC) shall be constituted by the Head of the Department with inputs from and approval of Dean (AP). The Guide of the candidate shall not participate in the evaluation process by the DPEC. The panel of external examiners to be provided by the Head of the Department shall be from institutions with current Engineering/University NIRF ranking within forty.

For Pharmacy and Architecture projects the panel of external examiners to be provided by the Head of the Department shall be from institutions with current Pharmacy/Architecture NIRF ranking within twenty.

**4. Gold Medal for UG Students :**

Gold medal in any discipline will be awarded to the UG student who has obtained the highest CGPA from among all students clearing the requirements for that degree in that year and has cleared all papers in one attempt.

## II. PG PROGRAMME EXAMINATIONS

1. **THEORY COURSES** : The total of 100 marks are distributed as under:

(i) **Semester End Examination** **50%**

The question paper will have 5 questions with one question from each of the 5 modules in the syllabus and there will be no choice. All 5 questions need to be answered to ensure compliance of course outcome as required by graduate attributes.

(ii) **Continuous Internal Assessment** **50%**

The Continuous Internal Assessment shall consist of:

a) 3 Quizzes **30 % (3 × 10%)**

There shall be three quizzes of 10 marks each. The schedule of quizzes shall be as per the academic calendar of that year. The three quizzes will be conducted by the department offering that course.

b) Assignment (s) **10%**

c) Seminar before a committee **10%**

- The Seminar Evaluation Committee shall be appointed by the Head of the Department.
- All quiz (es), assignments, seminar topics shall be well defined and commensurate with Blooms taxonomy Level 3 and above

Common courses / Open electives courses taught for multiple sections of the same paper, Quiz (es) across all sections shall be uniform i.e. same question paper to be used for the quizzes and the quizzes to be conducted on the same day and at same time. For common papers the department shall take the service of one common coordinator who shall be responsible for setting up of the question paper in consultation with the course teacher(s). Coordinators shall be appointed by the respective HoD / Directors of the Centres as the case may be. If a course is taught by more than one teacher there shall be one common coordinator for the course.

2. **LABORATORY COURSES:** The total of 100 marks are distributed as under:

(i) **Continuous Internal Assessment** **60% (Distribution is as follows)**

a) Day to day performance & Lab files **30%**

b) Quiz (es) **10%**

c) Viva **20%**

Sub total of 2.(i) **60%**

(ii) **Semester End Examination** **40% (Distribution is as follows)**

a) Examination Experiment Performance **30%**

b) Quiz **10%**

Sub total of 2 ii) **40%**

**Grand Total 2.(i)+ 2.(ii) 100%**

### 3. PG PROJECT

Every student shall carry out a Project work independently only. PG project in 3<sup>rd</sup> semester and 4<sup>th</sup> semester shall be evaluated independently. Project work done in an outside institution shall be from institutions with current Engineering/Management/University NIRF ranking within forty. In the case of Pharmacy/Architecture students, the same shall be from institutions with current Pharmacy/Architecture NIRF ranking within twenty. In any case there shall be an academic guide from the parent institution.

Project evaluation shall be as follows:

a) External Examiner	50%
b) Project Guide	25%
c) DPEC	25%
<b>TOTAL</b>	<b>100%</b>

The Departmental Project Evaluation Committee (DPEC) shall be constituted by the Head of the Department with inputs from and approval of Dean (AP). The Guide of the candidate shall not participate in the evaluation process by the DPEC. The panel of external examiners to be provided by the Head of the Department shall be from institutions with current Engineering/Management/University NIRF ranking within forty.

For Pharmacy and Architecture projects the panel of external examiners to be provided by the Head of the Department shall be from institutions with current Pharmacy/Architecture NIRF ranking within twenty.

### III PROGRESSION TO HIGHER SEMESTERS:

1. Students in UG programs shall not be eligible for registering in 3<sup>rd</sup>, 5<sup>th</sup>, 7<sup>th</sup> and 9<sup>th</sup> semesters (as applicable) with backlog of more than three courses.
2. Students in PG programs shall not be permitted to register for 3<sup>rd</sup> semester with backlog of more than two courses.
3. For I M.Sc. Students UG regulations will be followed up to first 6 semesters of the program and from 7<sup>th</sup> semester onward PG regulations will be applicable.
4. For each backlog paper in regular semester, in addition to the normal Institute Semester Fee an additional fee of Rs. 10,000 / - per backlog course shall be payable.

#### **IV Ph.D. PROGRAMME EXAMINATIONS:**

1. The qualifying grade for clearance of Ph.D. course work shall be as per PG grade pattern\* in all courses taken by the Ph.D. candidate.

For the Ph.D. Candidates with Institute Research Fellowship (IRF), the continuation of IRF shall depend on obtaining C or higher grade as per PG grade pattern\* in all courses taken by the IRF.

2. Ph.D. theses shall be admissible for evaluation, only when these are based on two research articles published in SCI/SCIE/SSCI indexed journals.

For Ph.D. in Management and Architecture, theses shall be admissible for evaluation, only when these are based on two research articles published in SCI/SCIE/SSCI/AHCI/ABDC/non-paid Scopus indexed journals. This relaxation from common norms shall remain in force for three years and to be reviewed thereafter.

3. At least in one publication, the research scholar should be the first author with his/her guide and/or co-guide as the only co-author(s). The second research article shall also have the Ph.D. candidate as the first author but may have co-authors(s) other than the guide/co-guide if required.

4. For evaluation of the thesis submitted by the Ph.D. scholar, the Doctoral Committee (DC) after due verification of all compliance requirements, shall recommend names of five foreign examiners from reputed institutions whose current QS world ranking should be within five hundred and five examiners from Institutions within India having current Engineering/Management/ University NIRF Ranking within forty.

For Pharmacy and Architecture Ph.D. theses, the panel of Indian external examiners to be provided by the DC shall be from institutions with current Pharmacy/Architecture NIRF ranking within twenty.

\* As mentioned in UG, PG Ordinances approved by Academic Council meeting no 99 held on 31 Oct 2018 and effective from academic session MO-2018