

**Dr. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,  
CHHATRAPATI SAMBHAJINAGAR.**



**CIRCULAR NO.SU/ Engg./NEP-2020/117/2024**

It is hereby inform to all concerned that, the syllabus prepared by the Board of Studies and recommended by the Dean, Faculty of Science & Technology, **Academic Council at its meeting held on 05 June 2024 has accepted the Scheme of Examination and Revised First Year B.E syllabus "Group A" – Mechanical Engineering; Civil Engineering and "Group B"– Computer Science and Engineering; AI & ML; Electrical and Electronics Engineering as per Norms of National Education Policy – 2020 under the Faculty of Science & Technology run to the Affiliated Colleges, Dr.Babasaheb Ambedkar Marathwada University** as appended herewith.

This is effective from the Academic Year 2024-25 and onwards.

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,  
Chhatrapati Sambhajinagar  
-431 004.

REF.NO. SU/ENGG/2024/ 853-61  
Date:- 15.06.2024.

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**Deputy Registrar,  
Academic Section.**

**Copy forwarded with compliments to :-**

- 1] **The Principal of all concerned Colleges,**  
Dr. Babasaheb Ambedkar Marathwada University,
- 2] **The Director, University Network & Information Centre, UNIC, with a request to upload this Circular on University Website.**

**Copy to :-**

- 1] The Director, Board of Examinations & Evaluation, Dr.Babasaheb Ambedkar Marathwada University,Chhatrapati Sambhajinagar.
- 2] The Section Officer,[Engg.Unit] Examination Branch, Dr.Babasaheb Ambedkar Marathwada University,Chhatrapati Sambhajinagar.
- 3] The Programmer [Computer Unit-1] Examinations, Dr.Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 4] The Programmer [Computer Unit-2] Examinations, Dr.Babasaheb Ambedkar Marathwada University,Chhatrapati Sambhajinagar.
- 5] The In-charge,[E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr.Babasaheb Ambedkar Marathwada University,Chhatrapati Sambhajinagar.
- 6] The Public Relation Officer, Dr.Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 7] The Record Keeper, Dr.Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.

**Dr. Babasaheb Ambedkar Marathwada University**

**Chhatrapati Sambhajanagar- 431001**



# **Scheme of Examination**

**(Engineering Under Graduate Degree Programme)**

**Under**

**National Education Policy - 2020**

**Effective from Academic year 2024-25**

## **Assessment and Evaluation Rules**

Assessment stands as the cornerstone of the teaching-learning process, an indispensable facet shaping the educational journey. In the realm of multidisciplinary programs, where diversity thrives, the demand for a multifaceted assessment becomes imperative to gauge the efficacy of the diverse courses offered. This evaluative process serves as a compass, guiding both faculty and students towards perpetual improvement. Presented below are the guidelines essential for orchestrating a robust assessment framework for the program.

- i) Student assessment must strive for comprehensiveness, offering meaningful and constructive feedback that enriches both faculty and students' understanding of the teaching-learning dynamic.
- ii) Assessment tasks need to evaluate the capacity to analyze and synthesize new information and concepts rather than simply recall information previously presented.
- iii) The assessment process should be structured to foster increased student engagement and foster a culture of rigorous study.
- iv) Assessment ought to blend continuous formative evaluation (serves as a dynamic tool to support student growth and achievement throughout the learning process) with end-of-semester summative evaluation (to gauge the extent of students' understanding, knowledge retention, and skills acquisition), ensuring a balanced approach to gauging student progress.
- v) Employing a diverse array of assessment tools and methodologies—from case studies and assignments to seminars, fieldwork, projects, dissertations, as well as peer and self-assessment—is paramount. Additionally, teachers should administer various forms of tests, seminars, case studies, etc., to comprehensively assess student performance.
- vi) Credits represent the weight or value assigned to a particular Course. They reflect the amount of work, both in terms of time and effort, that a student is expected to put into the course.

- vii) Courses with more credits typically require more hours of study, more assignments, and more comprehensive assessments, therefore, 4 and 3 credits theory/practical course will have weightage of 100 marks, 2 and 1 credit theory/practical course will have weightage for 50 marks. The 2 credits Field project work will have weightage of 50 marks. The 4 credits of research project work will have weightage of 100 marks. Similarly, 12 credits of Internships /OJT will have weightage of 300 marks.
- viii) Total marks for each course shall be based on Continuous Internal Assessment (CIA) and Semester End Examination (SEE)
- ix) There shall be uniform pattern of 40:60 for Continuous Internal Assessment (CIA) and Semester End Examinations (SEE) for theory/practical/OJT/research project/ field project respectively, in all the university departments, and their affiliated colleges.

#### **1. Formative Continuous Internal Assessment ( CIA)**

The primary objective of continuous formative evaluation is to enhance student learning by providing ongoing feedback, monitoring progress, diagnosing learning needs, and adjusting instruction accordingly. This involves regular feedback on student performance through various channels, such as verbal and written comments, and monitoring comprehension through informal assessment methods like class discussions and group activities. Diagnostic assessments help identify learning gaps at the outset, guiding tailored instructions to address individual needs. Promoting active engagement and differentiation further support student learning by encouraging participation and adapting teaching methods to accommodate diverse learning styles. Overall, continuous formative evaluation serves as a dynamic tool to support student growth and achievement throughout the learning process.

**A) Theory papers:**

Formative continuous Internal Assessment (CIA) shall be conducted by the university department/affiliated college for 40% of the maximum marks allotted for each course.

Three CIA, each of 20% marks would be conducted at different phases (*25%, 50% and 75% of completion of syllabus OR 25, 50 and 75 working days out 90 working days of the semester*) throughout the semester. Each concurrent assessment (CIA-I, II & III) will be mapped to the course learning outcomes. Total performance in CIA (i.e. 40 %) would be based on best two out of three CIA examination. The course teacher will have liberty to choose variety of assessment tools/methods (class test, individual assignment, tutorial, seminar presentation, group discussion, case study, participatory & industry-integrated learning, field work, practical activity, problem solving exercises, participation in academic events, mini project work, quiz etc.) which may be deemed to be appropriate for assessing the relevant course outcome. Total performance in CIA (i.e. 40%) would be based on best two out of three CIA examinations and taking average of best two CIA.

The outline for distribution of marks for continuous assessment activities for CIA (I), CIA (II) and CIA (III) of a course shall be as under.

**Table-I : DISTRIBUTION OF MARKS FOR CONTINUOUS ASSESSMENT ACTIVITIES**

Sr. No	Particulars	25% of completion of syllabus OR 25 working days out of 90 working days of semester ( CIA-I)	50% of completion of syllabus or 50 working days out of 90 working days of semester ( CIA-II)	75% of completion of syllabus or 75 working days out of 90 working days of semester ( CIA-III)	Addition of Best Two out of three CIA
<b>1</b>	Session Test	20% marks	20% marks	20% marks	20% marks
<b>2</b>	Seminar presentation/ Activity/Case Study/Assignments/ Field Project/Project work etc.	20% marks	20% marks	20% marks	20% marks
	<b>Total</b>	<b>Average of Sr. No. 1 and Sr. No. 2 (20% Marks)</b>	<b>Average of Sr. No. 1 and Sr. No. 2 (20% Marks)</b>	<b>Average of Sr. No. 1 and Sr. No. 2 (20% Marks)</b>	<b>40% Marks</b>

### **B) Practical/Professional Skill Based Activity:**

Formative Continuous Internal Assessment (CIA) of practical / professional skill based activity shall be conducted by the university department/ affiliated college for 40% of the maximum marks allotted for course before commencement of semester end examination.

The outline for distribution of marks for continuous assessment of practical course shall be as under.

**Table II : Applicable for all Branches of Engineering**

<b>Sr. no.</b>	<b>Particulars</b>	<b>Total Marks</b>
1	Session Test /Experiment Proficiency	20% marks
2	Punctuality and Attendance	10% marks
3	Viva-Voce/ Presentation/Group discussion/viva/Quiz/Field Survey Report	10% marks
	<b>Total</b>	<b>40% marks</b>

**Marks for attendance will be considered as follows:**

**Table III: Marks for attendance**

<b>Sr. no.</b>	<b>Attendance (in Percentage)</b>	<b>Marks</b>
1	95% or more	5
2	90 – 94%	4
3	85 - 89%	3
4	80 - 84%	2
5	75 - 79%	1

### **Instructions for Formative Continuous Internal Assessment (CIA)**

- i. The university department / affiliated college is responsible for organizing tests, seminars, case studies etc.
- ii. The university department / affiliated college must ensure that students will be receiving prior notification regarding the detailed schedule of these activities.

- iii.** Following the Continuous Internal Assessment (CIA), the course teacher must ensure that the Student must have applied for Semester End Examination for the Current Semester before conducting the CIA:
- Promptly display the marks on the notice board within four days.
  - Include a statement outlining the process to apply for Grievance Committee Addressing Head/Principal within a week from the date of publishing the results on the notice board.
- iv.** Students have the right to request verification of their CIA booklet (answer sheet), if desired.
- Any grievances should be addressed by the course teacher.
  - If necessary, the Head of the Department (HoD) of the University Department or Principal of the affiliated college may intervene in the matter.
- v.** If a student fails to attend an internal examination on the scheduled date, it will be considered as the student voluntarily dropping the test (she/he will be declared as Absent/Fail). However, in cases where a student is unable to take the test due to genuine reasons, student may appeal to the concerned teacher/ program coordinator or HoD of the University Department / Principal of affiliated college. The decision to conduct a special / remedial test for such candidates will be made by the concerned teacher / program coordinator/ HoD of the University Department / Principal of affiliated college before the commencement of semester-end examinations.
- vi.** The University Department /affiliated college will submit CIA marks to the university only if the student maintains a minimum attendance of 75% throughout the semester, making them eligible to appear for semester-end examinations.
- vii.** For both summative and formative assessments, candidates must be enrolled and apply for the both the examination by paying the required fees to the university. Additionally, candidates are required to register for all papers or any previously failed papers for that semester.
- viii.** For both summative and formative assessments, candidates must be enrolled and apply for both examinations by paying the required fees to the university.

Additionally, repeater candidates will be allowed to register for re-examination for failed papers or any previously failed semester-end examinations, provided that Student must have at least applied for the previous End Semester Examination.

- ix. The university department / college must communicate CIA marks for all courses to the Director of the Board of Examination and Evaluation at least 10 days prior to the start of university examinations. University department / college should make it sure that all the students must applied for Semester End Examination.
- x. If the student fail to secure / achieve 40 % of marks in CIA in respective semester, he / she will be permitted to repeat CIA during next subsequent semester.
- xi. If the student secured / achieved 40 % of marks in CIA but fail to secure / achieve 40 % marks the semester-end examination (SEE), CIA marks earned by the students will be retained.
- xii. All records of CIA must be meticulously maintained by the university department/colleges.

## **2. Summative (Semester End) Examination (SEE)**

Summative evaluation aims to assess the overall learning outcomes and achievement of students at the end of a learning period, such as a course, semester, or academic year. Its primary objective is to measure students' mastery of the course content and to determine whether they have met the established learning objectives and standards. Unlike formative evaluation, which focuses on providing ongoing feedback and guiding instruction, summative evaluation provides a final assessment of students' performance and informs decisions regarding grades, progression, and certification. Summative evaluation typically takes the form of end-of-term exams, final projects, or comprehensive assessments that allow instructors to gauge the extent of students' understanding, knowledge retention, and skills acquisition. Its purpose is to evaluate the effectiveness of the instructional program and to make informed decisions about students' academic progress and achievement.

- i)** Upon first-time examination for a semester, candidates must register for all the papers of that semester. For both summative and formative assessments, candidates must be enrolled and apply for the semester examination by paying the required fees. Additionally, candidates are required to register for all papers or any previously failed papers for that semester.
- ii)** The university will conduct semester-end examinations, accounting for 60% of the maximum marks allotted for theory, practical/professional skill-based activities, and research projects, after the completion of academic activities of the semester. Evaluation of the SEE (End Semester End Examination) of OJT (On-the-Job Training) will occur during the 5th week of the summer break comprising 60% of the marks.
- iii)** Research Project Semester End Examination: A 60 % of marks are allocated for the Semester End Research Project Evaluation, to be conducted jointly by internal and external examiners.
- iv)** Duration of theory examination shall be 2 hours for 60 marks per course.
- v)** Duration of theory examination shall be 1.30 hour for 45 marks per course.
- vi)** Duration of theory examination shall be 1.0 hours for 30 marks per course.
- vii)** Duration of practical examination shall be 3 hours for 50 marks per course
- viii)** OJT/Field project/research project examinations will be conducted in accordance with the university's evaluation rules for OJT/Internship/Field projects/research projects mentioned in this guidelines.

## **2.1 Structure / pattern of Question paper:**

- i.** Structure / Pattern of semester end examination ( SEE) question paper of ( theory course) will be as below:
  - **Structure / Pattern of 60 Marks Theory Course**
    - The SEE of theory course shall have two parts (20 + 40 = 60 Marks)
    - **Part A** shall be consisting of 10 questions having 2 marks each (multiple choice questions / fill in the blanks/ answer in sentence) as compulsory questions and it should cover entire course curriculum (20 Marks)

- **Part B** shall be consisting of 6 questions (10 marks for each question) (02 questions from each of 03 units / covering the entire syllabus) and students shall have to attempt any 04 questions out of 06 (40 Marks).
  - Wherever possible 20 to 30% weightage can be given to problems/ numerical wherein use of non-programmable scientific calculator may be allowed.
  - Number of sub questions (with allotment of marks) in a question may be decided by the examiner.
- **Structure / Pattern of 45 Marks Theory Course**
    - The SEE of theory course shall have two parts (10 + 35 = 45 Marks)
    - **Part A** shall be consisting of 5 questions having 2 marks each (multiple choice questions / fill in the blanks/ answer in sentence) as compulsory questions and it should cover entire course curriculum (10 Marks)
    - **Part B** shall be consisting of 6 questions (7 marks for each question) (02 questions from each of 03 units / covering the entire syllabus) and students shall have to attempt any 05 questions out of 06 (35 Marks).
    - Wherever possible 20 to 30% weightage can be given to problems/ numerical wherein use of non-programmable scientific calculator may be allowed.
    - Number of sub questions (with allotment of marks) in a question may be decided by the examiner.
- **Structure / Pattern of 30 Marks Theory Course**
    - The SEE of theory course shall have two parts (10 + 20 = 30 Marks)
    - **Part A** shall be consisting of 5 questions having 2 marks each (multiple choice questions / fill in the blanks/ answer in sentence) as compulsory questions and it should cover entire course curriculum (10 Marks)
    - **Part B** shall be consisting of 6 questions (5 marks for each question) (02 questions from each of 03 units / covering the entire syllabus)

and students shall have to attempt any 04 questions out of 06 (20 Marks).

- Wherever possible 20 to 30% weightage can be given to problems/numerical wherein use of non-programmable scientific calculator may be allowed.
  - Number of sub questions (with allotment of marks) in a question may be decided by the examiner.
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- ii.** Students engaged in OJT/Field projects/research projects must furnish a written project report along with undergoing a viva-voce examination.
  - iii.** Semester-end examination question papers must be meticulously designed to assess all levels of cognitive domains of bloom's taxonomy, incorporating a variety of question formats such as long answers, short answers, qualitative problems, and objective types.
  - iv.** The assessment of practical course for semester-end examinations shall be conducted by the pair of examiners (Internal and External) ensuring an equitable distribution of marks for practical records/reports/observations/experimental proficiency and viva-voce.
  - v.** Model answers' key words for descriptive or analytical questions should be established to minimize subjectivity in evaluation. Marking criteria must be transparently communicated to students.
  - vi.** Single valuation for theory papers will be conducted by members of the relevant Board of Examiners under the supervision of a moderator, who is, in turn, overseen by the chairman of the Board of Examiners.
  - vii.** The practical evaluation or project work assessment will be conducted prior to the commencement of theory examination at the concerned university department/affiliated college. This assessment will be carried out by two examiners - one internal examiner from the same department / college and the other an external examiner appointed by the university from other colleges/university departments. There may be two external examiners, but not two internal examiners, conducting the examination. Each pair of examiners will oversee practical examinations for two batches per day, with

a maximum of 12 students in each batch. However, the OJT/Field project work examination will be held during the fifth week of the summer break.

## **2.2 Evaluation and Certification of Credit-based MOOCs on SWAYAM Platform.**

As per UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulations, 2021,

- i.** The Higher Education Institution (HEI) and the course-coordinator bear the responsibility for assessing students registered for credit-based Massive Open Online Courses (MOOCs) offered on the SWAYAM platform.
- ii.** Course evaluation will be based on both internal assessment and semester-end examinations. The internal assessment, accounting for a maximum of 30% marks (Passing Criteria to Specify or it will be included as a Single Course), will encompass various instruments such as discussion forums, quizzes, assignments, and sessional examinations. The complete evaluation scheme for each course will be announced at the time of launching of the course.
- iii.** Online semester-end examinations are the preferred mode, although the course-coordinator has the authority to determine the examination mode—online or pen-and-paper. This decision will be communicated in the course overview upon offering.
- iv.** Term-end proctored examinations for all SWAYAM-based credit courses will be administered either by the SWAYAM Board or any other agency authorized by the Government of India under the Ministry of Education, nationwide.
- v.** Following examination and evaluation completion, the course-coordinator, through the HEI, will assign marks or grades as per the announced evaluation scheme.
- vi.** A certificate affirming successful completion of the SWAYAM-based credit course will be signed by the National Coordinator and an authorized

representative of the HEI. This certificate will be accessible on the SWAYAM platform within four weeks from the semester-end examination result declaration date. (Needs to submit the marks before the SEE result declaration. It needs clear guidelines and the schedule to declare the Results).

- vii. The HEI will incorporate the student's marks or grades obtained from SWAYAM courses in the final marks sheet, which contributes to the issuance of certificates, diplomas, or degrees by the university.

### **3. OJT/ Internship / Research Project / Field Project Evaluation:**

#### **a) OJT (On Job Training) / Internship:**

- i) Each student will be required to prepare a detailed plan within a week of joining the agency for OJT/internship, which will be submitted to concerned Department Advisor.
- ii) Each student will be required to maintain the diary in which daily/weekly activities will be recorded. This will be sent to Agency mentor and Department Advisor on weekly basis.
- iii) At the end of the OJT / Internship the student will prepare a write up on achievement of the goals mentioned in the detailed plan.
- iv) At the end of the OJT / internship student will submit a report in about 15 to 20 pages.

#### **Formative Continuous Internal Assessment (CIA) of OJT / Internship:**

The CIA of OJT shall be conducted by the university department/ affiliated college for 40% of the maximum marks allotted for course. Two CIA, each of 20% marks shall be conducted at different phases, First, CIA after 10-15 days and Second CIA after 25-30 days of summer break.

The outline of distribution of marks for continuous assessment for OJT work shall be as under.

**Table IV : Distribution of marks for continuous internal assessment for OJT work**

<b>Sr. No.</b>	<b>Particulars</b>	<b>CIA (I) Week: 10-15 days of Summer break</b>	<b>CIA (II) Week :25-30 days of Summer break</b>	<b>Total Marks</b>
1	Plan of OJT/internship including goal of internship	10 Marks	--	10 Marks
2	First 10- 15 days report of the activity with Presentation	05 Marks	----	05 Marks
3	Second 25-30 days report of the activity with Presentation		05 Marks	05 Marks
4	Progress ( written) Report of OJT/Internship with Presentation	--	10 Marks	10 Marks
5	Presentation and viva	--	10 Marks	10 Marks
	Total	15 Marks	25 Marks	40 Marks

**Summative (Semester End Examination) Assessment of OJT / Internship:**

Summative (Semester-end) examination shall be conducted by university in the 5th week of the summer break for 60 % of the maximum marks allotted for the course. The examination shall be jointly done by two examiners, one from the same college / university department as internal examiner and other from other college or university department or industry organization appointed by university as external examiner.

**Criteria for External (Semester End Examination) Assessment: (60 marks)-**

**General Assessment: (15 marks)**

- i) **Punctuality:** Consistently attends work on all scheduled days, arrives promptly, and remains committed to completing the required hours.

- ii) **Sincerity:** Demonstrates dedication by diligently meeting the organization's quality standards and exhibits a willingness to exert additional effort to accomplish assigned tasks effectively.
- iii) **Initiative:** Exhibits a proactive approach by exploring innovative methods for task execution, identifies obstacles, and persistently strives to overcome challenges.
- iv) **Commitment:** Sets clear work-related objectives, prioritizing client/customer satisfaction, possesses a comprehensive understanding of job duties, and consistently delivers optimal performance.
- v) **Attitude towards profession:** Assumes accountability for personal actions, proactively engages in self-improvement through continuous learning, embraces new concepts and challenges, welcomes constructive feedback, upholds trustworthiness and confidentiality, treats individuals from all backgrounds with respect, maintains appropriate attire, and consistently arrives prepared for work.

**Skills: (25 marks)**

- i) **Communication:** Demonstrates proficient written and verbal communication skills while exhibiting good manners and etiquette in interactions.
- ii) **Documentation:** Proficiently prepares relevant documents and maintains systematic organization of records.
- iii) **Reporting:** Effectively communicates work progress and accomplishments to higher authorities within the organization in a timely and appropriate manner.
- iv) **Achievement of Goals:** Each undergraduate program outlines specific skills and abilities to be acquired upon completion. These objectives should be incorporated and emphasized here to track and ensure the attainment of programmatic goals.

**Written report of OJT / Internship: (10 marks)**

**Presentation and Viva-voce: (10 marks)**

**EVALUATION REPORT OF OJT / INTERNSHIP**

(To be filled by Internal and External Examiners)

Name of University Dept. / College \_\_\_\_\_ Code \_\_\_\_\_

Degree / Programme \_\_\_\_\_ Semester \_\_\_\_\_ Seat No. \_\_\_\_\_

Name of the candidate \_\_\_\_\_

Specialization / Subject \_\_\_\_\_

Name and Place of OJT / Internship \_\_\_\_\_

Title of OJT / internship project \_\_\_\_\_

**Table V : Evaluation Scheme / Marking Scheme (60 Marks)**

Sr. No.	Type of Evaluation	Criteria for Evaluation	Marks Obtained		Total Average
			Internal Examiner	External Examiner	
1.	<b>General and Skill Assessment (40)</b>	<b>A) General Assessment (15)</b>			
		1) Punctuality (3)			
		2) Sincerity (3)			
		3) Initiative (3)			
		4) Commitment (3)			
		5) Attitude (3)			
		<b>B) Skills (25)</b>			
		1) Communication (5)			
		2) Documentation (5)			
		3) Reporting (5)			
4) Achievement (10) of Goal					
2	<b>Written Report and Presentation (20)</b>	1) Written Report of OJT/ Internship (10)			
		2) Presentation and Viva-voce (10)			
		<b>Total</b>			

Date:  
Place:  
(Name and Signature)  
Internal Examiner

Date:  
Place:  
(Name and Signature)  
External Examiner

**b) Research Project:**

- i) Every university department / affiliated college will set up a research team with 3 to 4 members.
- ii) At the start of each semester, the research team will assign a mentor to each student.
- iii) With the mentor's help, student will create a proposal and get it approved by the university department / affiliated college.
- iv) When research work is completed, student will have to submit a report of 25-30 pages.
- v) Report should follow the same structure and formatting rules similar to thesis.
- vi) Throughout the semester, progress of the students will be assessed, and exams will have two parts.

**Formative Continuous Internal Assessment (CIA) of Research Project:**

The CIA will be conducted by the university department/ affiliated college for 40% of the maximum marks allotted for course in the semester.

**Criteria for Continuous Internal Assessment (CIA): (40)**

The university department/ affiliated college shall conduct two CIA examinations, each of 20 marks. First CIA shall be conducted after completion of one month and second CIA shall be conducted after completion of two months of the concerned semester.

The outline of distribution of marks for continuous assessment activity for CIA-1 and CIA-2 of a research project work shall be as under.

**Table VI: Evaluation Scheme / Marking Scheme for CIA (40 Marks)**

Sr. No.	Particulars	After One month ( First CIA)	After two month ( Second CIA)	Total Marks
1	<b>A) Research proposal</b>	<b>(12 Marks)</b>	--	
	1) Statement of Research Problem	2 Marks	---	2 Marks
	2) Research Design	2 Marks	---	2 Marks
	3) Review of Literature	2 Marks	---	2 Marks
	4) Hypothesis	2 Marks	---	2 Marks

	5) Objectives and Methodology	2 Marks	---	2 Marks
	6) Expected Outcome ( Social relevance, local ./ regional needs, national requirements and international importance	2 Marks	----	2 Marks
	B) Presentation and Viva Voce	<b>8 Marks</b>	---	<b>8 Marks</b>
2	1) Written Progress of the Work Done	-----	10 Marks	10 Marks
	2) Presentation and Viva-Voce	-----	10 Marks	10 Marks
	Total	20 Marks	20 Marks	40 Marks

### **Summative (Semester-end) examination (SEE) of Research Project:**

Semester end examination shall be conducted by the university at the end of semester for 60% of the maximum marks allotted for course.

The semester end examination of research project work shall be conducted before the commencement of theory examination at the concerned university department/affiliated colleges by two examiners, one from the same college as internal examiner and other from other colleges/university department/industry appointed by university as external examiner. There may be two external examiners but not two internal examiners for conducting the examination. A pair of examiners shall conduct examinations for two batches per day having a maximum of 12 students in each batch.

The outline of the distribution of marks for semester end examination shall be as under.

### **Criteria for Semester End Examination / Assessment: (60 Marks)**

#### **General assessment: (10 Marks)**

- i) Punctuality : 02 Marks
- ii) Sincerity : 02 Marks
- iii) Perseverance : 02 Marks
- iv) Commitment : 02 Marks
- v) Attitude : 02 Marks

**Skills: (20 Marks)**

- i) Library/reference work : 05 Marks
- ii) Use of ICT in research : 05 Marks
- iii) Communication : 05 Marks
- iv) Paper publication (Paper published in National / International Conference Proceedings / UGC CARE list Journals / SCI /SCOPUS / Web of Science Indexed Journals ): 05 Marks

**Research project report: 20 marks**

**Presentation and viva-voce: 10 marks**

## EVALUATION REPORT OF RESEARCH PROJECT

(To be filled by Internal and External Examiners)

Name of University Dept. / College \_\_\_\_\_ Code \_\_\_\_\_

Degree / Programme \_\_\_\_\_ Semester \_\_\_\_\_ Seat No. \_\_\_\_\_

Name of the candidate \_\_\_\_\_

Specialization / Subject \_\_\_\_\_

**Table VII: Evaluation Scheme / Marking Scheme of SEE for Research Project (60 Marks)**

Sr. No.	Type of Evaluation	Criteria for Evaluation	Marks Obtained		Total Average
			Internal Examiner	External Examiner	
1.	<b>General and Skill Assessment (30)</b>	<b>A) General Assessment (10)</b>			
		1) Punctuality (2)			
		2) Sincerity (2)			
		3) Perseverance (2)			
		4) Commitment (2)			
		5) Attitude (2)			
		<b>B) Skills (20)</b>			
		1) Library / reference work (5)			
		2) Use of ICT in Research (5)			
		3) Communication (5)			
2.	<b>Written Report and Presentation (30)</b>	1) Research Project Report (20)			
		2) Presentation and Viva-voce (10)			
		<b>Total</b>			

Date:

Place:

(Name and Signature)

Internal Examiner

Date:

Place:

(Name and Signature)

External Examiner

**c) Field Project work :**

A field project typically entails applying theoretical knowledge gained in the classroom to real-world situations or problems within a specific field of study. The expectations for a field project at this level often include:

**Research Skills:** Demonstrating advanced research skills by conducting in-depth literature reviews, collecting and analyzing data, and synthesizing information from various sources.

**Critical Thinking:** Applying critical thinking skills to identify, analyze, and evaluate complex issues or challenges within the chosen field.

**Problem-Solving Abilities:** Developing innovative solutions to address practical problems or issues encountered in the field, often requiring creative problem-solving skills and the ability to think analytically.

**Application of Theory to Practice:** Applying theoretical concepts and frameworks learned in coursework to practical situations or real-world contexts, demonstrating an understanding of how academic knowledge can be translated into actionable solutions.

**Project Management:** Planning, organizing, and executing the field project effectively, including setting clear objectives, timelines, and milestones, as well as managing resources efficiently.

**Communication Skills:** Clearly communicating findings, insights, and recommendations through written reports, presentations, and other relevant mediums, tailored to the intended audience.

**Ethical Considerations:** Adhering to ethical guidelines and standards throughout the project, including obtaining necessary permissions for data collection, maintaining confidentiality, and ensuring the integrity of research practices.

**Reflection and Learning:** Reflecting on the project experience and identifying areas for personal and professional growth, as well as learning from challenges and successes encountered during the project.

Overall, undergraduate level field project is expected to demonstrate a high level of academic rigor, practical relevance, and professional competence within the chosen field of study. It serves as a culminating experience that allows students to integrate and apply their learning in a meaningful and impactful way.

Therefore, under the field project, University Departments / Affiliated colleges are encouraged to identify areas in which field projects could be undertaken, develop a comprehensive plan which will have extensive training to the students on identification of research oriented / Industry related problems and a plan to address those problems. Students will be actively engaged in identifying research or industry-related problems / issues and preparing detailed documentation referencing recent and historical / old literature. This approach enables students to leverage the advanced technical infrastructure available within their academic institutions to address the identified challenges effectively. Students shall work extensively on the identified problems either during semester OR summer break. Through hands-on training/ actual working on the field, students will gain invaluable experience and develop problem-solving skills, thereby enhancing their readiness for future employment opportunities.

In this exercise the university departments/ college shall advise the students to prepare a comprehensive documentation having introduction of the broad problem (Research / industry related issues) identified, literature survey, hypothesis, objectives, methodology, expected outcome and references used. This document would be useful for undertaking research project during subsequent semesters.

#### **Formative Continuous Internal Assessment (CIA) of Field Project:**

The CIA of field project will be conducted by the university department/ affiliated college for 40% of the maximum marks allotted for the field project.

### Criteria for Continuous Internal Assessment (CIA): (40)

The university department/ affiliated college shall conduct two CIA examinations, each of 20 marks.

The outline of distribution of marks for continuous assessment activity for CIA-1 and CIA-2 of a field project work shall be as under.

**Table VIII: Evaluation Scheme / Marking Scheme for CIA (40 Marks)**

Sr. No.	Particulars	CIA-I	CIA-II	Total Marks
1	<b>A) Proposal of Field Project</b>	<b>(10 Marks)</b>	--	
	1) Statement of Problem	2 Marks	---	2 Marks
	2) Review of Literature	2 Marks	---	2 Marks
	3) Hypothesis	2 Marks	---	2 Marks
	4) Objectives and Methodology	2 Marks	---	2 Marks
	5) Expected Outcome of Field Project ( Social relevance, local / regional needs, national requirements and international importance	2 Marks	----	2 Marks
	<b>B) Presentation and Viva Voce</b>	<b>10 Marks</b>	---	<b>10 Marks</b>
2	1) Written Progress of the Work Done	-----	10 Marks	10 Marks
	2) Presentation and Viva-Voce	-----	10 Marks	10 Marks
	Total	20 Marks	20 Marks	40 Marks

### Summative (Semester-end) examination (SEE) of Field Project:

The SEE of field project shall be conducted by the university at the end of semester for 60% of the maximum marks allotted for field project.

The semester end examination of field project work shall be conducted before the commencement of theory examination at the concerned university department/affiliated colleges by two examiners, one from the same college as internal examiner and other from

other colleges/university department/industry appointed by university as external examiner. There may be two external examiners but not two internal examiners for conducting the examination. A pair of examiners shall conduct examinations for two batches per day having a maximum of 12 students in each batch.

The outline of the distribution of marks for semester end examination shall be as under.

**Criteria for Semester End Examination / Assessment: (60 Marks)**

**General assessment: (10 Marks)**

- i) Punctuality : 02 Marks
- ii) Sincerity : 02 Marks
- iii) Perseverance : 02 Marks
- iv) Commitment : 02 Marks
- v) Attitude : 02 Marks

**Skills: (20 Marks)**

- i) Library/reference work: 05 Marks
- ii) Use of ICT in Field Project: 05 Marks
- iii) Communication: 05 Marks
- iv) Paper publication (Paper published in National / International Conference Proceedings / UGC CARE list Journals / SCI /SCOPUS / Web of Science Indexed Journals): 05 Marks

**Field project report: 20 marks**

**Presentation and viva-voce: 10 marks**

## EVALUATION REPORT OF FIELD PROJECT

(To be filled by Internal and External Examiners)

Name of University Dept. / College \_\_\_\_\_ Code \_\_\_\_\_

Degree / Programme \_\_\_\_\_ Semester \_\_\_\_\_ Seat No. \_\_\_\_\_

Name of the candidate \_\_\_\_\_

Specialization / Subject \_\_\_\_\_

**Table IX: Evaluation Scheme / Marking Scheme of SEE for Field Project (60 Marks)**

Sr. No.	Type of Evaluation	Criteria for Evaluation	Marks Obtained		Total Average
			Internal Examiner	External Examiner	
1.	<b>General and Skill Assessment (30)</b>	<b>A) General Assessment (10)</b>			
		1) Punctuality (2)			
		2) Sincerity (2)			
		3) Perseverance (2)			
		4) Commitment (2)			
		5) Attitude (2)			
		<b>B) Skills (20)</b>			
		1) Library / reference work (5)			
		2) Use of ICT in Field Work (5)			
		3) Communication (5)			
4) Paper Publication (5)					
2.	<b>Written Report and Presentation (30)</b>	1) Field Project Report (20)			
		2) Presentation and Viva-voce (10)			
		<b>Total</b>			

Date:  
Place:

(Name and Signature)  
Internal Examiner

Date:  
Place:

(Name and Signature)  
External Examiner

#### 4. Passing Criteria

- i) To successfully pass each course, a candidate must achieve a minimum of 40% in course which includes the Formative and Summative Assessment. This imperative benchmark stands as the threshold, ensuring a comprehensive understanding and mastery of the subject.
- ii) **There will be separate passing marks designated for the Continuous Internal Assessment (CIA) and semester end examination (SEE). The students must secure / achieve a minimum of 40% of marks in CIA as well as 40% of marks in the SEE.** For instance, in a 100-mark paper, this entails 40 marks for the CIA and 60 marks for the SEE, thereby necessitating a minimum of 16 marks in CIA and 24 marks in the SEE. **Failure to achieve a minimum 40% of marks in CIA and 40% of marks in SEE (separately), will lead to the candidate being declared unsuccessful / fail.**
- iii) The student must independently secure / achieve a minimum of 40% of marks in CIA as well as 40% of marks in the SEE. In the event of a candidate failing to secure of 40% of marks in CIA but secured 40 % of marks in SEE, **the student will be required to reappear for the CIA only, and vice versa.**
- iv) Should a course include both theory and practical components, candidates must independently pass both theory and practical aspects. In the event of a candidate failing in the practical component but passing in the theory examination, they will be required to reappear for the practical examination only, and vice versa.
- v) Upon successfully achieving a minimum score of 40% in all courses, the candidate will be declared as having passed the program for that semester.
- vi) Upon successfully achieving a minimum score of 40% in all courses across all semesters, the candidate will be declared as having passed the entire program.
- vii) According to the Maharashtra Public Universities Act, 2016, section 89, chapter VIII, the university is obligated to declare the results of every examination and evaluation conducted within thirty days from the last date of examination for that particular course, and under no circumstances should the results be declared later than forty-five days.

- viii) Students who have joined a four years undergraduate engineering degree program may opt for exit at the end of the first year and earn a UG Certificate, opt for exit at the end of the second year and earn a UG Diploma and so on.
- ix) Students, opting for exits at any level, will have the option to re-enter the programme from where they had left off, in the same or in a different higher education institution within four years of exit and complete the degree programme within the stipulated maximum period of eight years from the date of admission to first year UG. Re-entry at various levels for lateral entrants in academic programmes shall be based on the earned and valid credits as-deposited and accumulated in the Academic Bank of Credits (ABC) through Registered Higher Education Institutions (RHEI) and proficiency test records. Re-entry entry into the programme of study leading to the UG Diploma/ Three year UG Degree/ four-year Bachelor's Degree with Honors /Research will be based on the validation of prior learning outcomes achieved and subject to availability based on intake capacity.

#### **Computation of Grade ( SGPA and CGPA):**

**Marks obtained by students will be converted into grades in the following manner:**

##### **i) Letter Grade and Grade Points:**

The Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar has decided to implement "Absolute Grading" system. Students who earns 160 credits ( for four bachelor's degree ( BE/B. Tech. or equivalent) in Engg./ Tech. with Multidisciplinary Minor ) / 180 credits ( for 4-Years bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech.-Honors and Multidisciplinary Minor), shall be considered to have completed the requirement of- Undergraduate degree program in Engineering and CGPA will be calculated for such student on the basis of total number of- credits earned.

##### **The Grades and Grade Points Description:**

The Grade Point Average (GPA) will be computed from the grades as a measure of the students' performance. The GPA is based on the grades of the current

semester, while the Cumulative GPA (CGPA) is based on the grades in all courses. The marks obtained by a student will be converted in to Letter Grade and Grade Point as follow:

**Table X: Percentage to Grade Point and Letter Grade**

Marks Obtained (%)	(SGPA/CGPA)	Grade Point	Letter Grade	Description
90-100	9.00- 10	10	O	Outstanding
80-89	8.00-8.99	9	A <sup>+</sup>	Excellent
70-79	7.00-7.99	8	A	Very Good
60-69	6.00-6.99	7	B <sup>+</sup>	Good
51-59	5.10-5.99	6	B	Above Average
41-50	4.10-5.09	5	C	Average
40	4.00-4.09	4	P	Pass
Below 40	Below 4.0	0	F	Fail
Absent	Absent	0	Ab	Absent

**Table XI : Structure of CGPA and Mark Scheme (An Example)**

Semester	Course Name	Course Title	Credit	Maximum Internal Marks	Maximum External Marks	Grade Letter (F-O)	Grade point (0 - 10)	Credit Point = (Credit x Grade point)
I			4	40	60	A	8	32
			4	40	60	O	10	40
			2	20	30	A <sup>+</sup>	9	18
			4	40	60	B <sup>+</sup>	7	28
			2	20	30	A <sup>+</sup>	9	18
			2	20	30	O	10	20
			4	40	60	O	10	40
			<b>22</b>					<b>196</b>
	<b>SGPA</b>	<b>Total Credit point for semester / Total credit for the semester</b>						<b>8.91</b>
II			4	40	60	O	10	40
			4	40	60	O	10	40
			2	20	30	A <sup>+</sup>	9	18
			4	40	60	A	8	32
			2	20	30	A <sup>+</sup>	9	18
			2	20	30	O	10	20
			4	40	60	A	8	32
			<b>22</b>					<b>200</b>
	<b>SGPA</b>	<b>Total Credit point for semester / Total credit for the semester</b>						<b>9.10</b>

III		4	40	60	A	8	32	
		4	40	60	O	10	40	
		2	20	30	A+	9	18	
		4	40	60	B+	7	28	
		2	20	30	A+	9	18	
		2	20	30	O	10	40	
		4	40	60	A	8	32	
		<b>22</b>					<b>208</b>	
	<b>SGPA</b>	<b>Total Credit point for semester / Total credit for the semester</b>						<b>9.45</b>
IV		4	40	60	A+	9	36	
		4	40	60	P	4	16	
		2	20	30	A+	9	18	
		4	40	60	B+	7	28	
		2	20	30	A+	9	18	
		2	20	30	O	10	20	
		4	40	60	O	10	40	
		<b>22</b>					<b>176</b>	
	<b>SGPA</b>	<b>Total Credit point for semester / Total credit for the semester</b>						<b>8.00</b>
	<b>CGPA</b>	<b>Total Credit point / Total credit for the course</b>						<b>8.86</b>
	<b>Final Grade</b>							A+ (Excellent)
	<b>% of Marks</b>							<b>88.6 %</b>

### Computation of SGPA and CGPA

The following procedure will be applied in computing the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- a. SGPA indicates the performance of a student in a given semester. SGPA is based on the total credit points earned by the student in all the courses and the total number of credits assigned to the courses in a semester. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses and the sum of the number of credits of all the courses taken by a student, i.e

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

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

- b. The Cumulative Grade Point Average (CGPA) is also calculated in the same manner taking into account all the courses taken by a student over all the semester of a program, i.e.

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

where  $S_i$  is the SGPA of the  $i^{\text{th}}$  semester and  $C_i$  is the total number of credits in that semester.

ii) **Illustration of Computation of SGPA and CGPA and Format for Transcripts**

The format of the transcripts will be as below:

**Table XII: Example for Computation of SGPA**

Semester	Course	Credits	Letter Grade	Grade Point	Earned Grade Points = (Credit x Grade Point)
I	Course 1	3	A	8	3x8=24
I	Course 2	4	B+	7	4x7=28
I	Course 3	3	B	6	3x6=18
I	Course 4	3	O	10	3x10=30
I	Course 5	3	C	5	3x5=15
I	Course 6	4	B	6	4x6=24
		20			139
				SGPA	139/20 =6.95

Thus, SGPA = 139 / 20 = 6.95

**Table XIII: Example for Computation of CGPA**

Semester I	Semester II	Semester III	Semester IV
Credit : 20 SGPA: 6.90	Credit : 22 SGPA:7.80	Credit : 25 SGPA: 5.60	Credit : 26 SGPA:6.00

$$\begin{aligned} \text{Thus, CGPA} &= (20 \times 6.90 + 22 \times 7.80 + 25 \times 5.60 + 26 \times 6.00) / 93 \\ &= (138 + 171.60 + 140 + 156) / 93 \\ &= 605.60 / 93 = 6.51 \end{aligned}$$

**The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcript.**

**Transcript (Format):** Based on the above recommendations on Letter grades, grade points and SGPA and CGPA, the Dr. Babasaheb Ambedkar Marathwada University shall issue the transcript for each semester and consolidated transcript indicating the performance in all semesters.

### **iii) CGPA to Percentage Conversion**

The award of the class shall be as per Table XI. The Percentage calculation from Cumulative Grade Point Average (CGPA) shall be calculated as below;

$$\text{Percentage of Marks} = \text{CGPA} \times 10$$

where, 10 is Grading Scale

- Grade point are based on the total number of marks obtained by the student in all the heads of examination of the course.
- 40% of credits earned on par with the conventional mode of the respective courses if any through SWAYAM and other recognized platforms shall be considered for calculation of SGPA/CGPA.
- Nonappearance, (Ab) in any examination /assessment shall be treated as the student has secured zero marks in that subject examination/assessment.
- Minimum P Grade (4.00 Grade Point) shall be limit to clear /pass the course/Subject. A student with F Grade will be considered as failed in the concerned course and student has to clear the course by reappearing in the next successive semester examination.
- Every student shall be awarded Grade Points out of maximum 10 points in each subject (Based on 10 point scale). Based on the Grade point obtained in each subjects, Semester Grade point Average (SGPA) and then Cumulative Grade Point Average (CGPA) shall be computed. Result will be announced at the end of each semester and cumulative Grade card with CGPA will be given on completion of the course.

## 5. Grade Card:

The university shall issue a grade card to the students in the time line of 15 days after declaration of Results OR at the beginning of next subsequent semester (containing the grades obtained by the student in the previous semester and his / her Semester Grade Point Average (SGPA))

Grade card shall list

- i) Title of the course along with code taken by the student
- ii) The credits associated with the course
- iii) The grade and Grade Points secured by the students
- iv) The total credits earned by the students in that semester
- v) The SGPA of the student
- vi) The total credits earned by the students till that semester and
- vii) The CGPA of the student (At the end of the 4<sup>th</sup> semester)

**Cumulative Grade Card:** At the end (last semester)of the 6<sup>th</sup> Semester ( for 3 year degree program) and 8<sup>th</sup> semester ( for 4 year degree program), the university shall issue Cumulative Grade Card to the students showing details of Grades obtained by the student in each applicable subject in all semesters along with CGPA and Total credits earned.

## 6. Carry Over:

- i) Students clearing / passing 75 % of subjects / papers of total papers / passing heads of 1<sup>st</sup> and 2<sup>nd</sup> semester of 1<sup>st</sup> year will be eligible for taking admission for the 2<sup>nd</sup> year. Students clearing / passing 75 % of subjects / papers of total papers / passing heads of 3<sup>rd</sup> and 4<sup>th</sup> semester of 2<sup>nd</sup> year and all the subject / papers of 1<sup>st</sup> year will be eligible for taking admission for the 3<sup>rd</sup> year. Similarly, students clearing / passing 75 % of subjects / papers of total papers / passing heads of 5<sup>th</sup> and 6<sup>th</sup> semester of 3<sup>rd</sup> year and all the subjects / papers of 2<sup>nd</sup> year will be eligible for taking admission for the 4<sup>th</sup> year.

Provided further that the rules and guidelines of professional statutory bodies at the All India level such as AICTE, UGC, and DTE are being strictly followed.

## **7. Change / Transfer of College**

- i)** Student shall be permitted for change of college only for the odd semesters by seeking admission within the stipulated period mentioned in the admission notification with the due consent from both the Departments/ colleges. There shall not be any provision for transfer/change of college for even semesters. Further, candidate fails in earlier semester examination shall not be eligible for transfer/change of college within the Maharashtra University's affiliated colleges.
- ii)** The same shall be applicable for the student seeking transfer from the colleges of other University within or outside the state or country by producing the eligibility certificate issued by the competent authority with the confirmation of similarity of the programs with each other.
- iii)** Such transfer of admission shall be within the intake capacity of the respective class/ subject of the respective college / university Department.
- iv)** The degree of four years UG program in Engineering shall be awarded from the university where the candidate has earned a maximum 50% of the credits prescribed for the program.
- v)** Provided further that the rules and guidelines of professional statutory bodies at the All India level such as AICTE, UGC, and DTE are being strictly followed.

## **8. Exam Result Review Services: Recounting, Revaluation, and Answer Paper Challenges**

The primary aim of recounting, revaluation, challenge valuation, and photocopying of answer papers is to uphold fairness, precision, and transparency in the examination evaluation process. This collective effort works towards fostering trust and confidence in the academic assessment system.

### **[A] Supply of photo copies of answer books to the examinee/s**

- i)** The provision for obtaining photocopies of assessed and/or moderated theory subject answer books from the current examination by the examinees is an essential step towards fostering transparency in the Examination System and upholding its credibility.

- ii) Photocopies of answer books from practical examinations, sessional marks, viva-voce, dissertations, theses, projects, OMR sheets, and any other university assessments will not be provided to the examinees.
- iii) To request photocopies of answer books, students can fill out the prescribed application form online, accompanied by a payment of Rs 10. Application forms are available on the university website at <https://bamua.digitaluniversity.ac.in> However, applicants must also submit the form fees along with the photocopy fees. Each student can apply for photocopies of up to three theory papers/answer books.
- iv) Photocopies will be provided upon receipt of a non-refundable fee of Rs. 100 per answer book/theory paper, paid online through <https://bamua.digitaluniversity.ac.in>
- v) Completed and signed application forms must be submitted to the Principal of the college/Head of the University Department along with the requisite fees within 5 clear days from the date of declaration of the results of the relevant examination. Incomplete or incorrect application forms will be rejected without reasons provided, and fees paid will not be refunded.
- vi) If the last day falls on a holiday for the College/University, the next working day will be considered the last day.
- vii) Photocopies of answer books will be provided to students with the identity of the Examiner and Moderator concealed. Certification of the pages of the answer book will be done by the designated officer placing the seal. The identity of the Examiner/s and Moderator/s will not be disclosed under any circumstances.
- viii) Photocopies of answer books will be sent to the Principals of respective Colleges/Heads of University Departments for further issuance to the concerned applicants upon receipt of written acknowledgement from them.
- ix) The university will supply photocopies within 7 days from the date of receipt of the application/information through the Principal of the College/Head of the University Department.
- x) The provision of photocopies of answer books is an additional facility for candidates. Any delay in sending photocopies due to reasons beyond the

university's control will not confer any rights upon the candidates, and such delays cannot be contested.

- xi) Examinees found guilty of malpractice as per Examination Ordinance, or punished for malpractices in any examination, will not be eligible to apply for photocopies of answer books for any papers from that examination.
- xii) Examinees receiving photocopies shall be the sole custodians and are not permitted to transfer them to anyone for any purpose. Examinees must refrain from any misuse that could tarnish the university's reputation.
- xiii) Any misuse of photocopies by examinees will be subject to the provisions of Section 48(6) of the Maharashtra Public Universities Act, 2016. Penalties may range from cancellation of examination performance to debarring from future examinations or confiscation of conferred degrees.

**[B] Grievance Redressal Mechanism Related to revaluation of answer book/s after receipt of Photocopy of the answer Books.**

- i) If any examinee finds discrepancies in the marks awarded to them upon receiving photocopies of their answer books, they can file a grievance online via their e-suvidha account for redressal to the University through the Principal/Head of their College/University Department within 5 clear days from the date of issuance of the photocopy by the University. Each examinee is entitled to seek redressal for a maximum of two answer books/theory papers from the immediately preceding examination(s).
- ii) Applications for grievance redressal concerning valuation must be accompanied by a non-refundable fee of Rs. 200 per theory paper. These applications, along with fee details, must be submitted online through the respective Colleges.
- iii) The Principal of the College/Head of the University Department shall forward all such applications to the University, segregated by examination, within 8 clear days from the date of issuance of photocopies of answer books by the University.
- iv) Upon receipt of the applications, the answer books will be masked to conceal the identity of the candidates' Seat Number and Centre Number, along with the examiner's signature.

- v) The grievances related to valuation, with identities concealed, will be reviewed by a committee appointed by the Vice-Chancellor, preferably consisting of:
- Chairman (Board of Paper Setters) or paper Setter.
  - One subject expert with at least 7 years of teaching experience. In the event that such a teacher is unavailable, the Vice-Chancellor may nominate a retired teacher or another subject expert.
- vi) Each member of the committee must provide a written undertaking, in the prescribed form, confirming that none of their close relatives is a candidate for the concerned examination or has applied for grievance redressal related to valuation in the concerned examination.
- vii) The Committee will assess whether there is prima facie evidence of grievance warranting reassessment of the answer book and make recommendations accordingly.
- viii) All recommended cases will be revalued as per the instructions of the Honourable Vice-Chancellor.
- ix) Cases not recommended by the committee or where the Director of the Board of Examinations and Evaluation disagrees with the recommendations may be brought before the Honourable Vice-Chancellor for consideration.
- x) The Committee may maintain a list of teachers/experts and their teaching experiences, for reference by the Vice-Chancellor, although the Vice-Chancellor is not bound to appoint Examiners or experts from this list for revaluation.
- xi) If the marks awarded by the subsequent Examiner in reassessment vary by 10% or more from the marks obtained by the examinee, the marks assessed by the subsequent Examiner will be awarded. Otherwise, the examinee will be notified of "No Change in Marks". Fractions in calculations will be disregarded.
- xii) Any changes in marks, as described above, will be communicated to the examinee through suitable notification, and these revised marks will be final and binding, even if they are lower than the original marks.

- xiii) The revised statement of marks will be provided to the examinee upon surrendering their original statement of marks to the same College where they initially submitted the application form. The concerned Principal/Head of the University Department will obtain an acknowledgment while issuing the revised statement of marks and will send the original statement of marks to the University.
- xiv) This Grievance Redressal Mechanism is an additional facility provided to students/examinees to improve their results from the preceding University examination. Any delays in the result declaration under this additional facility will not entitle students to claim admission to a higher class, merit, medals, scholarships, etc.

#### **[C] Recounting of marks**

- i) Recounting and scrutiny services are available upon payment of a non-refundable fee of Rs. 50 per theory paper for verification. Students must apply online with relevant information within 5 clear days from the date of issuance of photocopies of answer books by the University.
- ii) Additionally, it is mandatory to submit online requests through the student/user account provided by e-Suvidha.
- iii) Colleges must forward all such applications, segregated by examination semesters, within 7 clear days from the date of issuance of photocopies of answer books by the University.
- iv) The Teacher/Scrutinizer, nominated by the Honourable Vice-Chancellor, will review:
- Whether the total marks awarded to the examinee on the statement of marks matches with the marks awarded on the cover page of the answer book/s.
  - Whether question-wise marks inside the answer book are correctly carried over to the cover page.
  - Whether the total of question-wise marks on the cover page is correct.

- Whether all answers or parts thereof in the answer books have been assessed by the Examiner.
- v) Any discrepancies noted under Clause (iv) will be corrected by the University, authenticated by the Director of the Board of Examinations and Evaluation upon approval of the Vice-Chancellor.
- vi) If any question or part thereof in the answer book is found to be unvalued/unassessed, it will be valued by the same Examiner, and additional marks, if any, will be awarded. The corrected total marks will be noted and added on the cover page, authenticated by the Director of the Board of Examinations and Evaluation upon approval of the Vice-Chancellor.
- vii) Any changes resulting from the above processes will be communicated to the examinee through necessary notifications. A corrected statement of marks will be issued to the examinee upon surrendering the original statement of marks to the University through the concerned College, without any additional fees.

## **9. Rejection of Results**

- i)** A candidate may be permitted to reject the result of the complete examination of any semester. Rejection of result course/paper wise or subject wise shall not be permitted.
- ii)** The candidate who has rejected the result shall appear immediately following the examination.
- iii)** All such provisions are there within the period of 2 times the total duration of the program ( i.e  $2 \times N$  ; where N refers to the total duration of the program).
- iv)** The rejection shall be exercised only once in each semester, and the rejection once exercised shall not be revoked.
- v)** Application for rejection of results and the payment of the prescribed fee shall be submitted to the DBOEE through the University Department / College of study together with the original statement of marks within 10 days from the date of publication of the result.

- vi) A candidate who rejects the result is eligible for only class and not for ranking.

#### **10. Provision for Improvement of Results / Improvement of the Marks (Grade Point)**

There shall be a provision for candidates to reappear for the examination for the concerned course of theory papers only (subject) in which candidate wishes for improvement of his/ her grade point of SGPA in general and CGPA in total of the program subject to the condition that:

- i) The candidate shall be eligible to reappear for improvement of grade points only after successfully passing the program.
- ii) The reappearance may be permitted during the period of 2 times the total duration of the program ( i.e.  $2 \times N$  ; where N refers to the total duration of the program) without restricting it to the subsequent examination only.
- iii) The student may be permitted to apply for improvement examination 45 days in advance of the pertinent semester examination whenever held.
- iv) A student shall have to reappear for minimum  $1/3$  (fraction to be rounded to next higher digit) & OR maximum all the theory courses at a time on which class is awarded.
- v) A student will be allowed for maximum three attempt for the improvement on his / her class / grade within stipulated period.
- vi) All such provisions are there within the period of 2 times the total duration of the program ( i.e.  $2 \times N$  ; where N refers to the total duration of the program).
- vii) In all such cases revised / updated grade points are considered if there is a progress in such improvements, otherwise original grade points shall be retained.
- viii) A candidate who has appeared for improvement is eligible for class/CGPA only and not for ranking, Gold Medal, Cash Prize, etc.

#### **11. Provision for Reappearing in Examination**

- i) In the event of a candidate's failure in any semester examination, they shall be given the opportunity to reattempt said examination in subsequent sessions, adhering to the syllabus and examination format in place at their initial attempt.
- ii) However, this privilege extends for a limited duration encompassing three consecutive examination cycles following the completion of their program. Subsequently, candidates must undertake examinations based on the revised syllabus, within a maximum timeframe of 2 times the total duration of the program ( i.e.  $2 \times N$  ; where N refers to the total duration of the program).
- iii) The scheme of the UG program will be gradually implemented, with the old scheme being phased out after three attempts (of the old pattern programs) have been offered.

#### **12. Validity of credits earned (As per Academic Bank of Credits ( ABC))**

The validity of credits earned will be for a maximum period of seven years or as specified by the Academic Bank of Credits (ABC). The procedure for depositing credits earned, its shelf life, redemption of credits, would be as per UGC (Establishment and Operationalization of Academic Bank of Credits (ABC) scheme in Higher Education) Regulations, 2021/ Regulatory Authority.

#### **13. Departmental Coordinators:**

The students will be required proper guidance in selecting the courses of their choice in line with the curriculum of the respective engineering department. Departmental Coordinator(s) will be appointed to guide the students for selecting the courses to ensure that they complete each level of courses in time.

#### **14. Transitory Regulations**

In the event of syllabus changes, examinations aligned with the previous syllabus are administered for three consecutive sessions following the implementation of the new curriculum. This provision aims to facilitate students in clearing any pending subjects. Subsequently, beyond this transitional period, students may undertake their examinations in relevant courses based on the updated syllabus, subject to the recommendations of the respective Head of the Department. Additionally, any

modifications in the rules, regulations, or guidelines issued by the university from time to time shall come into effect immediately. In instances where interpretation of any regulation arises, the decision of the Vice-Chancellor shall be deemed final.

**15. Evaluation Committee for Multiple Entry and Exit**

With the provision of multiple entry and exit, students from other HEIs will be allowed entrance to appropriate level. Evaluation Committee will be set up to see the eligibility of such students who desire to join the university from other HEIs.

**16. Power to Remove Difficulties**

In the event that any challenges arise in implementing the stipulations outlined in these regulations, the Vice-Chancellor is empowered to issue orders to address such challenges, provided they do not contravene the Act, Statutes, Ordinances, or other Regulations. These orders will introduce provisions deemed necessary or expedient to resolve the difficulty at hand. It is important to note that each order made under this provision must undergo ratification by the appropriate university authorities.

**17. Modification to the Regulations**

Regardless of the preceding provisions, any amendments or modifications issued or notified by the University Grants Commission/Higher Education Commission of India and its associated bodies, including the National Higher Education Regulatory Council, General Education Council, or the State Government, shall be considered as incorporated into this Regulation. Such amendments or modifications shall be deemed integral to this Regulation.

**18. Repeal and Savings**

The existing Regulation (the regulation which is in force before the regulation which is being approved now) governing three / four years undergraduate degree programs in the faculty of Science & Technology, Humanities, Commerce & Management and Interdisciplinary Studies shall stand repealed. However, the earlier Regulation

shall continue to be in force for the students who have been admitted to the course before the enforcement of this regulation.

This regulation is prepared in line with the following documents.

1. Prof. R. D. Kulkarni Report on NEP-2020
2. G. R. No. NEP/2022/ (67/23) Tech Education -2 dated 4<sup>th</sup> July 2023 (Structure and Credit distribution of UG Degree Programme in Engineering)

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