

UNIVERSITY OF PUNE

RULES AND REGULATIONS OF EXAMINATIONS

FOR

**FIRST YEAR OF FOUR YEARS B.E DEGREE COURSE
(COMMON FOR ALL BRANCHES)**

UNDER FACULTY OF ENGINEERING

EFFECTIVE FROM JUNE-2012

Preface:

In the era of eco-friendly paperless communication; with advent of smarter and sophisticated technology, it is inevitable to relook at the existing Engineering Examination system. The professional college students must reflect the appropriate focused and matured attitude. The students should accost and gear up for the comprehension of the subject from very first day of each semester and put in even efforts throughout the semester. The faculty of engineering proposes the continuous assessment scheme for the student in the form of reformation of examination pattern, in a bid to ensure the synchronization among the faculties of all the engineering colleges. The conduct of the continuous assessment at the university level is a herculean task, but this challenge has promptly been accepted for implementation, reflecting the vigor and tenacity of the faculty. The reformation ensures higher probability of reduced human errors, lessen the burden of revaluation and subsequently increase the credibility of assessment system. This will ultimately speed up the process of declaration of the final results well in time.

1. Structure of F.E (2012 Course)

The structure of Syllabus of F.E. (2012 Course) is given below. This structure shall be effective from academic year 2012-13.

F.E. Structure (2012 Course)
Semester – I

Code	Subject	Teaching Scheme			Examination Scheme				
		Lect.	Tut.	Pract./ Drg.	Paper		TW	Pract	Total
					Written	Online			
107001	Engineering Mathematics-I	4	1	--	50	50	25	--	125
107002	@Applied Science-I	4	--	2	50	50	25	--	125
110003	Fundamentals of Programming Languages - I	1	--	2	--	--	--	50*	50
103004 104012	# Basic Electrical Engineering OR Basic Electronics Engineering	3	--	2	50	50	25	--	125
101005	Basic Civil and Environmental Engineering	3	--	2	50	50	25	--	125
102006	Engineering Graphics-I	3	--	2	50	50	--	--	100
111007	Workshop Practices	--	--	2	--	--	50	--	50
Total of Semester – I		18	1	12	250	250	150	50	700

Semester – II

Code	Subject	Teaching Scheme			Examination Scheme				
		Lect.	Tut.	Pract./ Drg.	Paper		TW	Pract	Total
					Written	Online			
107008	Engineering Mathematics -II	4		--	✓50	50	--	--	100
107009	@Applied Science-II	4	--	2	50	50	25	--	125
110010	Fundamentals of Programming Languages - II	1	--	2	--	--	--	✓50*	50
101011	Engineering Mechanics	4		2	✓50	50	✓25	--	125
103004	# Basic Electrical Engineering	3	--	2	✓50	50	✓25	--	125
104012	OR Basic Electronic Engineering								
102013	Basic Mechanical Engineering	3	--	2	✓50	50	✓25	--	125
102014	Engineering Graphics-II	--	--	2	--	--	✓50		50
Total of Semester – I		19	--	12	250	250	150	50	700

* Online practical Examination at the end of Semester

For semester I : Basic Electronic Engineering for group A

and Basic Electrical Engineering for group B

For semester II : Basic Electrical Engineering for group A

and Basic Electronic Engineering for group B

@ Applied science I : Physics of Group A and Chemistry for group B

Applied Science II: Chemistry of Group A and Physics for group B

Group A:

- Mechanical Engineering
- Mechanical Sandwich
- Automobile Engineering
- Information Technology
- Electrical Engineering
- Instrumentation & Control Engineering
- Chemical Engineering
- Printing Engineering

Group B:

- Electronics Engineering
- E & TC
- Computer Engineering
- Production & Industrial Engineering
- Production Sandwich
- Civil Engineering
- Petrochemical Engineering
- Biotechnology

2. Examination Scheme:

R—2.1

The theory examination shall be conducted in four phases for all the subjects.

Phase I:

Online examination of 25 marks, 30 minutes duration, containing objective- multiple choice questions (MCQ); based on unit I and unit II of the subject, shall be conducted as per the schedule of the university.

Phase II:

Online examination of 25 marks, 30 minutes duration, containing objective- multiple choice questions (MCQ); based on unit III and unit IV of the subject, shall be conducted as per the schedule of the university.

Phase III:

Written examination of 50 marks, 2 hours duration; based on all the six units, shall be conducted at the end of semester, as per the schedule of the university.

Phase IV:

Online examination of 50 marks, 1 hour duration, containing objective- multiple choice questions (MCQ); based on unit I, unit II, unit III and unit IV of the subject, shall be conducted as per the schedule of the university.

R-2.2

For the subject of Engineering Graphics- I, the mode of examination shall be manual for phase I, phase II and phase IV examinations. Phase I and phase II examinations shall be of one hour duration each and phase IV examination shall be of 2 hours duration. All these examinations shall be conducted as per the schedule of the University.

R-2.3

The practical examination of 50 marks, one hour duration for Fundamentals of Programming Languages- I and Fundamentals of Programming Languages-II, shall be conducted online at the end of respective semesters as per the schedule of the University.

R-2.4

Examination of repeater students for paper:

For the subject of current semester, repeater student shall appear for phase I, phase II and phase III examinations of the subject, along with regular students.

For the subject of other than current semester, repeater student shall appear for phase III and phase IV examinations of the subject.

3. Structure of Question Paper:

R 3.1

All questions for online examinations shall be objective type with multiple choice questions (MCQ). The weightage for each question will be of one or two marks as per the difficulty level. More or less equal weightage is to be given to every unit pertaining to the examination.

R 3.2

The nature of all questions in phase III written examination shall be Fundamental, Mathematical and analytical. The weightage for the syllabus units is as under

Unit	% Weightage
unit I & unit II	25%
unit III & unit IV	25%
unit V	25%
unit VI	25%

Every question will have an internal option.

4. Method of Paper Setting:

R 4.1

For Question Paper for Online Examination, University of Pune shall conceive a question bank for every subject. The question bank will be updated periodically and shall be made available online to the examination centre on the day and date of examination.

R 4.2

For online examination the core committee for each subject is to be appointed by university. The question bank for each subject will be prepared by examiners appointed (as per section 32/5). The authorized core committee will scrutinize and finally may add the questions to the existing question bank.

R 4.3

For Question Paper of written Examination, University of Pune shall conceive a question bank for every subject. The question bank will be updated periodically and shall be made available to the paper setter appointed by the University. Each group of paper setters may add questions to the question bank and select the questions from the bank to set question paper, one of the question papers will be randomly picked up by the University for the Final Examination, to be made available to the examination centers on or before the day and date of examination.

R 4.4

For the written examination, three groups of examiners will set the question papers, one per group. Each paper setter group will consist of two examiners.

5. Conduct of Examination:

R 5.1:

The phase I, phase II and phase IV examinations shall be carried out at the concerned examination centre as per the University schedule. The Principal of the concerned college shall appoint a Senior Supervisor for these examinations. The Principal of the concerned college shall be responsible for the smooth conduct of the examination.

R 5.2:

The written (phase III) examination shall be carried out at the concerned examination centre as per the University schedule. The University of Pune shall appoint external Senior Supervisor and Custodian for the examination. The Principal of the concerned college shall appoint an internal Senior Supervisor and allied examination staff, for the examination. The Principal of the concerned college shall be responsible for the smooth conduct of the examination.

R 5.3

Online practical examination shall be carried out at the concerned examination centre as per the University schedule. The University of Pune shall appoint external Senior Supervisor for the examination. The Principal of the concerned college shall appoint an internal Senior Supervisor and allied examination staff for the examination. The Principal of the concerned college shall be responsible for the smooth conduct of the examination.

R 5.4

For the phase III examination, question paper for the scheduled examination will be made available on university sever two hours before the examination. The custodian will be able to download the question paper after authentication. The custodian shall print the copies of question paper at the examiner centre and make it available at the scheduled examination time.

6. Assessment

R 6.1

The term works will be given by the examiners of the institute where subject teacher is one of the examiners. Term work evaluation guidelines will be provided. The term work marks will be based on attendance for the practical sessions, understanding of the experiments, continuous assessment and visit/ expert lecture's report submitted by the student.

R 6.2:

For the examination of the subject "Engineering Graphics", the answer books of phase I, phase II and phase IV examination shall be assessed by the examiners appointed by the Principal of the concerned examination centre. At the end of the examination, The Principal of the College shall communicate the result and the answer sheets to the University

R 6.3:

Phase III Examination - Every College has to get the CAP center approved by the University, subject to the eligibility norms (Refer Annexure I). The assessment of the answer books of the phase III examination shall be carried out at the University approved CAP center at the concerned college. If the college does not have approved CAP center, the assessment of the answer books of the phase III examination shall be carried out at the CAP center as found appropriate by the University of Pune.

The Principal or Senior staff member of the college will be CAP Director. The CAP Director will appoint the examiners for the assessment of the answer books as per the norms of University of Pune. The CAP director shall submit to University of Pune, the assessed answer books, subject wise list, details of the examiners, and the result in the prescribed format within ten days from the last scheduled day and date of the examination. The vigilance squad appointed by the University may visit the CAP Center periodically.

The University shall moderate the answer books of phase III examination at random, if required. The revaluation work of the answer books of the phase III examination shall be carried out by the appropriate authority of the University of Pune.

R 6.4:

No revaluation shall be applicable for online Phase I, II, IV and Practical examinations.

7 RULES OF PASSING

R 7.1

The candidate submitting the term work shall be declared pass upon securing minimum 40% marks in each Term work head else the candidate will be detained for the term.

R 7.2

The candidate appearing for the theory examination shall be declared pass upon securing minimum 40% marks all together.

R 7.3

The candidate appearing for the practical/oral examination shall be declared pass upon securing minimum 40% marks.

R-7.4

In the event of student not appearing for any phase of the examinations and yet securing minimum 40% marks, he/she shall be declared pass.

Annexure I

Eligibility norms for approval of a college as recognized CAP Center

The college interested in being recognized as CAP center by University of Pune, needs to apply to the University of Pune in a prescribed format, adhering to the following minimum eligibility norms-

1. The applying college should be AICTE approved and affiliated to University of Pune for minimum 04 years.
2. The applying college should have full time Principal
3. The applying college should have sufficient Infrastructure and buildings as per norms
4. The applying college should have minimum 40% full time University approved teaching staff or teaching staff with minimum 03 years full time teaching experience.
5. There should not be any ongoing or pending law suit/case related to examination matter against the applying college.

University of Pune reserves the right to withdraw the approval granted, upon noticing any discrepancy/malpractices at the examination center.