

REGULATIONS 2005

These regulations are applicable to all candidates admitted into B.E. (Part-Time – 7 Semester) degree programmes from Jan’ 2005 onwards.

Degree of Bachelor of Engineering (Part-Time - Seven Semesters)

The following Regulations will be **applicable to all Non Autonomous Govt. Engineering Colleges affiliated to Anna University.**

1. PRELIMINARY DEFINITIONS AND NOMENCLATURE

In these Regulations, unless the context otherwise requires:

- i) “**Programme**” means Degree Programme, that is B.E. (Part-Time) Degree Programme.
- ii) “**Branch**” means specialization or discipline of B.E. (Part-Time) Degree Programme, like Civil Engineering, etc.
- iii) “**Course**” means a theory or practical subject that is normally studied in a semester, like Mathematics, Physics, etc.
- iv) “**College**” means a non-autonomous Government Engineering college.
- v) “**University**” means ANNA UNIVERSITY.

2. ADMISSION

- 2.1** i) Candidates seeking admission to the first semester, also known as Bridge semester of B.E. (Part-Time - Seven Semester) degree programme :

Should possess the Diploma in Engineering / Technology in the relevant branch of specialization awarded by the State Board of Technical Education, Tamil Nadu or any other authority accepted by the Syndicate of the university as equivalent thereto.

- ii) Eligibility conditions such as class, marks, number of attempts shall be as prescribed by the syndicate of the University from time to time.
- iii) Notwithstanding the qualifying examination the candidate might have passed, the candidate shall also write an entrance examination designed to test the proficiency of the candidate in Mathematics, Physics, Chemistry and relevant branch subjects prescribed for the Diploma programmes offered by the Directorate of Technical Education, Tamil Nadu.

- iv) Shall satisfy the conditions of physical fitness as prescribed by the syndicate of the University.

3. BRANCHES OF STUDY

A candidate may be offered, in any of the colleges, one of the following branches of study approved by the University and offered by that college.

1. B.E. Civil Engineering
2. B.E. Mechanical Engineering
3. B.E. Electrical and Electronics Engineering
4. B.E. Electronics & Communication Engineering
5. B.E. Computer Science Engineering

The qualifications for admission to the above branches of study are given in [Annexure](#).

4. STRUCTURE OF PROGRAMMES

- 4.1 Every Programme shall have a curriculum comprising of both theory and practical courses as detailed in the respective curriculum with well-defined syllabi approved by the University.

There shall be a certain minimum number of core courses and sufficient number of elective courses that can be opted by the student. The blend of different courses shall be so designed that the student, at the end of the programme, would have been trained not only in his / her relevant professional field but also would have developed as a socially conscious human being.

- 4.2 The curriculum of each semester shall normally be a blend of Theory and Practical courses not exceeding six.
- 4.3 The medium of instruction, examinations and project report shall be in English.

5. DURATION OF THE PROGRAMME

A student is ordinarily expected to complete the B.E. (Part Time – Seven Semesters) Degree Programme in seven consecutive semesters; but in any case not more than 14 semesters in the case of male and not more than 18 semesters in the case of female. Each semester shall normally consist of 75 working days or 225 hours. The Principal shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

6. SYSTEM OF EXAMINATION

- 6.1 Performance in each course of study shall be evaluated based on (i) continuous internal assessment through the semester and (ii) an University examination at the end of the semester.

- 6.2** Each course, both theory and practical (other than project work) shall be evaluated for a maximum of 100 marks. The project work shall be evaluated for a maximum of 200 marks.
- 6.2.1** For all theory and practical courses other than project work, the continuous internal assessment will carry 20 marks while the University examination will carry 80 marks.
- 6.2.2** For project work, the continuous internal assessment will carry 40 marks while the University examination will carry 160 marks.
- 6.3** The University examination (theory and practical) of 3 hours duration shall ordinarily be conducted between March and May during the odd semesters and between October and December during the even semesters.
- 6.4** The University examination for project work shall comprise of evaluation of the final report submitted by the project group (of not exceeding 4 students) by an external examiner followed by a viva-voce examination conducted separately for each student by a committee consisting of the external examiner, the guide of the project group and an internal examiner.
- 6.4.1** The project report shall carry a maximum 60 marks (same mark awarded to every student of the project group) while the viva-voce examination shall carry 100 marks (awarded to each student of the project group based on the individual performance in the viva-voce examination).
- 6.5** For the University examination in both theory and practical courses including project work the internal and external examiners shall be appointed by the University.

7. PROCEDURE FOR AWARDING MARKS FOR INTERNAL ASSESSMENT

- 7.1** For all theory and practical courses the continuous assessment shall be for a maximum of 20 marks and for the project work, the continuous assessment shall be for a maximum of 40 marks. The above continuous assessment shall be awarded as per the procedure given below:
- (i) Theory courses:**
- Three tests each carrying 100 marks shall be conducted during the semester by the concerned Department / College. The total marks obtained in all tests put together out of 300, shall be proportionately reduced for 20 marks and rounded to nearest integer (This also implies equal weightage to all the three tests).
- (ii) Practical Courses:**
- Every practical exercise / experiment shall be evaluated based on conduct of exercise / experiment and records maintained. There shall be at least one mid-semester test. The criteria for arriving at the internal assessment marks (20 marks)

shall be decided by the Head of the Institution and shall be announced at the beginning of every semester.

(iii) Project Work:

The Principal shall constitute a review committee for each branch of study. There shall be three assessments (each 100 Marks) during the semester by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three assessments shall be reduced for 40 marks and rounded to the nearest integer. (This also implies equal weightage to all the three assessments).

- 7.2** Every teacher is required to maintain an 'ATTENDANCE AND ASSESSMENT RECORD' which consists of attendance marked in each lecture or practical or project work class, the test marks and the record of class work (topic covered), separately for each course. This should be submitted to the Head of the department periodically (at least three times in a semester) for checking the syllabus coverage and the records of test marks and attendance. The Head of the department will put his signature and date after due verification. At the end of the semester, the record should be verified by the Principal who will keep this document in safe custody (for five years). The University or any inspection team appointed by the University may inspect the records of attendance and assessment of both current and previous semesters.

8. REQUIREMENTS FOR COMPLETION OF A SEMESTER

A candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester.

- 8.1** Ideally every student is expected to attend all classes and secure 100% attendance. However, in order to allow for certain unavoidable reasons, the student is expected to attend at least 70% of the classes.

Therefore, he/she shall secure not less than 70% of overall attendance in that semester taking into account the total number of periods in all courses put together attended by the candidate as against the total number of periods in all courses offered during that semester.

- 8.2** Candidates who do not complete the semester (as per clause 8.1), will not be permitted to write the University examination at the end of the semester and not permitted to go to next semester. They are required to repeat the incomplete semester in the next academic year.

9. REQUIREMENTS FOR APPEARING FOR SEMESTER EXAMINATION

A candidate shall normally be permitted to appear for the University examination of the current semester if he/she has satisfied the semester completion requirements (Clause 8.1) and has registered for examination in all courses of that semester. Registration is mandatory for current semester

examinations as well as arrears examinations failing which the candidate will not be permitted to move to the higher semester.

10. REQUIREMENT FOR PROCEEDING TO A HIGHER SEMESTER

A candidate shall be permitted to proceed from the current semester to the next semester, irrespective of the arrear courses he / she may have in the earlier semester only if

- i. he / she has satisfied all the semester completion requirements of the current semester and
- ii. he / she has registered for the University semester examination in all the courses of the current semester, and also in all arrears course, if any.

11. PASSING REQUIREMENTS

11.1 A candidate who secures not less than 50% of total marks prescribed for the courses *with a minimum of 45% of the marks prescribed for the University semester Examination in both theory and practical courses (including Project work), shall be declared to have passed the Examination.*

11.2 If a candidate fails to secure a pass in a particular course, it is mandatory that he/she shall register and reappear for the examination in that course during the next semester when examination is conducted in that course; he/she should continue to register and reappear for the examination till he / she secures a pass. However, the internal assessment marks obtained by the candidate in the first attempt shall be retained and considered valid for all subsequent attempts.

11.3 If a student indulges in malpractice in any of the University examinations, he / she shall be liable for punitive action as prescribed by the University from time to time

12. ISSUE OF MARK SHEETS

Individual mark sheet for each semester will be issued, containing the following information through the Principal concerned, after the publication of the results.

1. The college in which the candidate studied.
2. The marks obtained in each course in internal assessment and University Examination and the total marks obtained for each course.
3. Whether the candidate has passed or failed in the courses concerned.

13. ELIGIBILITY FOR THE AWARD OF DEGREE

A student shall be declared to be eligible for the award of the B.E. Degree provided the student has

- i. Successfully completed the course requirements and has passed all the prescribed examinations in all the 7 semesters within a maximum period of 7 years in the case of male candidate and 9 years in the case of female candidate reckoned from the commencement of the first semester to which the candidate was admitted.
- ii. The award of Degree must have been approved by the Syndicate of the University.

14. CLASSIFICATION OF THE DEGREE AWARDED

- 14.1** A candidate who qualifies for the award of the Degree (vide clause 13) having passed the examination in all the courses of all the seven semesters in his/her first appearance within seven consecutive semesters and securing an aggregate of not less than 75% of total marks (internal assessment plus semester exam marks) in all the courses in the final six semesters shall be declared to have passed the examination in First Class with Distinction. The authorized break of study (vide clause 16.3) will not be counted for the purpose of classification.
- 14.2** A candidate who qualifies for the award of the Degree (vide clause 13) having passed the examination in all the courses in the final six semesters within a maximum period of eight consecutive semesters reckoned from the commencement of study in the second semester securing an aggregate of not less than 60% of total marks (internal assessment plus semester exam marks) shall be declared to have passed the examination in First Class. For this purpose the authorized break of study (vide clause 16.3) will not be counted for the purpose of classification.
- 14.3** All other candidates (not covered in clauses 14.1 and 14.2) who qualify for the award of the degree (vide Clause 13) shall be declared to have passed the examination in Second Class.
- 14.4** A candidate who is absent for semester examination in a course / project work after having registered for the same shall be considered to have appeared for that examination for the purpose of classification.

15. REVALUATION

- 15.1** Copies of the answer script for the theory course(s) can be obtained from the Controller of Examinations, Anna University on payment of fee specified for this purpose.
- 15.2** A candidate can apply for revaluation of his/her semester examination answer paper in a theory course, within 2 weeks from the declaration of results, on payment of a prescribed fee along with an application in prescribed format to the Controller of Examinations through the Principal concerned. The Controller of Examination will arrange for the revaluation and the results will be intimated to the candidate concerned through the Principal. Revaluation is not permitted for practical courses and for project work.

16. TEMPORARY BREAK OF STUDY FROM A PROGRAMME

- 16.1** A candidate is not normally permitted to temporarily break the study. However, if a candidate intends to temporarily discontinue the programme in the middle for valid reasons (such as accident or hospitalization due to prolonged ill health) and to rejoin the programme in a later semester, he / she shall apply in advance to Registrar of the University, through the Head of the Department and Principal stating the reasons therefor, in any case, not later than the last date for registering for the semester examinations of the semester in question.
- 16.2** The candidate permitted to rejoin the programme after the break shall be governed by the rules and regulations in force at the time of rejoining.
- 16.3** The duration specified for passing all the courses for the purpose of classification vide Clause 14.1 and 14.2 shall be increased by the period of such break of study permitted.
- 16.4** The total period for completion of the programme reckoned from, the commencement of the first semester to which the candidate was admitted shall not exceed the maximum period specified in clause 5 irrespective of the period of break of study in order that he/she may be eligible for the award of the degree (vide clause 13).
- 16.5** If any student is detained for want of requisite attendance the period spent in that semester shall not be considered as permitted 'Break of Study' and Clause 16.3 is not applicable for this case.

17. DISCIPLINE

Every student is required to observe discipline and decorum both inside and outside the college and not to indulge in any activity which will tend to bring down the prestige of the University / College. In the event an act of indiscipline being reported, the Principal shall constitute a disciplinary committee consisting of the Principal, two Heads of Department of which one should be from the faculty of the student, to inquire into acts of indiscipline and notify the University about the disciplinary action taken. The disciplinary action is subject to review by the University in case the student represents to the University. Any expulsion of the student from the college shall be with prior concurrence of the University.

18. REVISION OF REGULATION AND CURRICULUM

The University may from time to time revise, amend or change the Regulations, scheme of examinations and syllabi if found necessary.

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ANNEXURE

B.E. (Part-time – 7 semester) Programmes offered and qualification for admission.

| Sl. No. | Degree and branch of study | Qualification for admission |
|---------|---|---|
| 1 | B.E. Civil Engineering | Diploma in Civil Engg./ Civil Engg. in Sanitary Engg. / Civil and Rural Engg. |
| 2 | B.E. Mechanical Engg. | Diploma in Mechanical Engineering / Metallurgy / Automobile Engineering / Mechanical and Rural Engineering / Machine Tool Maintenance and Repairs / Machine Design and Drafting / Refrigeration and Air-conditioning / Production Engineering / Tool and Die Design |
| 3 | B.E. Electrical and Electronics Engineering | Diploma in Electrical Engineering / Electrical and Electronics Engineering / Electronics Engineering / Electronics and Communication Engineering |
| 4 | B.E. Electronics and Communications Engineering | Diploma in Electronics Engineering / Electronics and Communication Engineering / Electrical Engineering / Instrument Technology / Electronics with specialization in Instrumentation / Electrical and Electronics Engineering |
| 5 | B.E. Computer Science and Engineering | Diploma in Computer Science / Electronics and Communication Engineering / Electrical and Electronics Engineering / Instrumentation Engineering. |