

Roll No.

3232

**B. Tech. 5th Semester (CSE) (Elective - I)
Examination – March, 2021**

SOFTWARE ENGINEERING

Paper: PEC-CSE-311-G

Time : Three Hours] [Maximum Marks : 75

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all, selecting one question from each Unit. Question No. 1 is compulsory. All questions carry equal marks.

1. (a) What is software engineering ? 2.5
- (b) Explain software crisis. 2.5
- (c) Give a description of prototyping. 2.5
- (d) Explain structural partitioning. 2.5
- (e) Explain stress testing. 2.5
- (f) Explain the term software quality assurance. 2.5

UNIT – I

2. Explain project estimation techniques in detail. 15

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3. Explain project scheduling and tracking. 15

UNIT – II

4. Discuss the software requirements specification and reviews analysis modelling. 15

5. Explain cohesion and coupling. 15

UNIT – III

6. What are the differences between verification and validation in software development? 15

7. Explain software testing techniques. 15

UNIT – IV

8. Define the meaning of software quality and detail the factor which affects the quality not productivity of a software product. 15

9. Explain ISO 9000 quality standards. 15