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

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