

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.

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| 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

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| 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