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**B. E. (Seventh Semester) Examination,
April-May 2020**

(Old Scheme)

(IT Engg. Branch)

SOFTWARE ENGINEERING

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

***Note : Part- 'A' of each question is compulsory.
Attempt any two parts from part (b), (c) and
(d) of each question.***

Unit-I

1. (a) Define software engineering. 2
- (b) Explain software projects in terms of project size? 7

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- (c) What are the ideal and expected behaviour of managers in a firm? 7
- (d) What are the different factors that affect the quality and productivity during Software Development? 7

Unit-II

2. (a) Define Software Requirement Specification (SRS). 2
- (b) Explain waterfull model with diagram. 7
- (c) Explain COCOMO Model. 7
- (d) Write short notes on : 7
- (i) Expert Judgement
 - (ii) Delphi Cost estimation

Unit-III

3. (a) Define Software Design. 2
- (b) Write difference between couplings cohesion. 7
- (c) Write about design concept. 7
- (d) Write short notes on : 7
- (i) Milestone
 - (ii) Walkthrough

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Unit-IV

4. (a) Define SDLC. 2
- (b) What are criteria of coding? 7
- (c) Differentiate between verification and validate. 7
- (d) Explain the term reusability in coding phase. 7

Unit-V

5. (a) Define Testing. 2
- (b) Explain various types of testing. 7
- (c) Write difference between black box and white box testing. 7
- (d) Define uses of CASE tools in various phases of software development. 7