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B. E. (Seventh Semester) Examination,

April-May, 2016

(Old Scheme)

(IT Engg. Branch)

SOFTWARE ENGINEERING

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

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Note : Part (a) of each question is compulsory. Attempt two parts from part (b), (c) and (d) of all questions.

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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? **CSVTUonline.com** 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 waterfall model with diagram. 7
- (c) Explain cocoma model. 7
- (d) Write short notes on : (any two) $3\frac{1}{2}+3\frac{1}{2}=7$
- (i) SCM **CSVTUonline.com**
- (ii) Expert Judgement
- (iii) Delphi cost estimation

Unit-III

3. (a) Define Software Design. 2
- (b) Explain design concepts. 7
- (c) Write different between coupling and cohesion. 7
- (d) Write short notes on : (any two) $3\frac{1}{2}+3\frac{1}{2}=7$
- (i) Milestone

- (ii) Walkthrough
- (iii) Inspection

Unit-IV

4. (a) Define SDLC (Software development life cycle). 2
- (b) What are the do's and don'ts of coding? 7
- (c) Write difference between verification and validation. 7
- (d) Explain the term reuseability in coding phase. 7

Unit-V

5. (a) Define Testing. **CSVTUonline.com** 2
- (b) Explain various types of Testing. 7
- (c) Difference between Black Box Testing and White Box Testing. 7
- (d) Define use of CASE Tools in various phases of Software Development. 7