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Roll No. : .....

**333653(33)**

**B. E. (Sixth Semester) Examination, April-May 2021**

**(New Scheme)**

**(IT Branch)**

**SOFTWARE ENGINEERING & PROJECT  
MANAGEMENT**

***Time Allowed : Three hours***

***Maximum Marks : 80***

***Minimum Pass Marks : 28***

***Note : Attempt all questions. Attempt any two parts from (a), (b) & (c) of each unit which carries 8 marks each.***

**Unit-I**

1. (a) Explain briefly different managerial issues related to software development.

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- (b) Explain Win-Win spiral model in detail with the win-win conditions.
- (c) Explain different project size categories in detail.

### Unit-II

- 2. (a) Explain briefly functional and non-functional requirements of a software.
- (b) What is SCM? Explain different functions provided by SCM in detail.
- (c) Explain different factors that influences the cost of the software.

### Unit-III

- 3. (a) Write a brief notes on :
  - (i) HIPO diagrams
  - (ii) Decision tables
- (b) Write short notes on :
  - (i) Milestone
  - (ii) Walkthrough

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- (iii) Inspection
- (c) Explain coupling with its types.

### Unit-IV

- 4. (a) Write a brief note on testing objectives, testing principles and testability.
- (b) Explain graph matrices method to find out the cyclomatic complexity of a given graph.
- (c) Explain different techniques to test a control structure.

### Unit-V

- 5. (a) Explain Cocomo model in detail.
- (b) Write a note on taxonomy of CASE tools.
- (c) Write a brief notes on :
  - (i) Work Break Down structures
  - (ii) Delphi cost estimation