



C09-CM-606 A

3739

**BOARD DIPLOMA EXAMINATION, (C-09)**  
**MARCH/APRIL—2017**  
**DCME—SIXTH SEMESTER EXAMINATION**  
**SOFTWARE ENGINEERING**

Time : 3 hours ]

[ Total Marks : 80

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**PART—A**

3×10=30

**Instructions** : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. What is meant by software engineering?
2. What is SCCS?
3. What is empirical estimation?
4. List at least three factors considered in TCF in function point metric.
5. How to identify the functional requirements?
6. What is the need of requirement analysis phase?
7. What is good software documentation?

- \* 8. What is meant by debugging?
- 9. When is code review conducted?
- 10. Define reliability growth model.

**PART—B**

10×5=50

**Instructions** : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11. Explain about classical waterfall model with neat diagram.
- 12. Explain about work breakdown structure.
- 13. Explain briefly about the job responsibilities of a software project manager.
- 14. (a) Identify the non-functional requirement issues that are considered for any given problem description.  
(b) What are the problems that an organization might face without proper SRS document?
- 15. Explain briefly about component based graphical user interface.
- 16. Compare between function-oriented design and object-oriented design.
- \* 17. Explain the classification of coupling.
- 18. Explain different levels of SEI capability maturity model.

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