



C09-CM-606 A

3739

BOARD DIPLOMA EXAMINATION, (C-09)  
OCT/NOV—2016  
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. State three factors that contribute to software crisis.
2. Give the expression for UFP in function point metric.
3. Define risk.
4. What is risk exposure?
5. What is the need of requirement analysis phase?
6. How to identify functional requirements?
7. What is error seeding?

- \* 8. What is meant by user interface?
9. What are the advantages of object-oriented design?
10. Draw the reliability curves for hardware and software.

**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 briefly about spiral model with neat sketch.
12. Explain briefly about Delphi cost estimation technique.
13. Explain briefly about lines of code metric for project size estimation.
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 cohesion and coupling.
16. What is meant by functional independency? Explain the benefits of functional independencies.
- \* 17. Explain briefly about coding guidelines.
18. Compare between ISO 9000 and SEI-CMM.

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