



C14-CM-502/C14-IT-502

4625

BOARD DIPLOMA EXAMINATION, (C-14)
OCT/NOV—2016
DCME—FIFTH SEMESTER EXAMINATION
SOFTWARE ENGINEERING

Time : 3 hours]

[Total Marks : 80

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 the solution to the software crisis.
2. List the skills necessary for Software Project Manager.
3. State the need of Software Project Planning.
4. Write a short note on risk identification.
5. List the characteristics of a good SRS document.
6. What is decision tree?
7. List any three characteristics of good software design.
8. Distinguish between GUI and text-based user interfaces.

* 9. What is debugging? List various debugging approaches?

10. Define SEI capability maturity 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. (a) Explain about data flow-oriented design.

(b) Explain about iterative water fall model.

12. (a) Explain about heuristic technique.

(b) Explain about Putnam's work.

13. (a) Explain about PERT charts.

(b) Explain about function point metric.

14. Explain about the organization of the SRS document.

15. (a) Explain about function-oriented design.

(b) Explain about menu-based interface.

16. Explain about various types of coupling.

* 17. Explain about unit testing and system testing.

18. Explain about the reliability growth modelling.
