C14–CM–502/C14–IT–**502**

4625

BOARD DIPLOMA EXAMINATION, (C–14)
MARCH/APRIL—2018
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. Write the differences between programs and software products.

2. What are the job responsibilities of a software project manager?

3. Write any three drawbacks of LOC estimation.

4. Write about work breakdown structure.

5. Write examples of bad SRS documents.

6. Define traceability.

7. What is a good software design?

8. What are the characteristics of good user interface design?

9. Write about system testing.

10. List the different reliability metrics.

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 prototyping model.   10

12. Explain about project estimation techniques.   10

13. Explain about risk management.   10

14. Explain about requirements gathering and analysis.   10

15. *(a)* Define coupling.   5

(b) Explain about the types of widget.   5

16. Explain about coding standards and guidelines.   10

17. *(a)* Explain various debugging approaches.   5

(b) Explain various program analysis tools.   5

18. *(a)* Explain about statistical testing.   5

(b) Write the differences between hardware reliability and software reliability.   5

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