S.No. 2049 | 12UCS08

(For the candidates admitted from 2012–2013 onwards)

B.Sc. DEGREE EXAMINATION, APRIL/MAY 2018.

Fifth Semester

Computer Science

SOFTWARE ENGINEERING

Time : Three hours   Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. How spiral model works?

2. What are the advantages of prototyping?

3. What is meant by software design?

4. Define coupling.

5. What is SA and SD?

6. List out the users of SRS documents.

7. What is consistency?

8. How do you represent modebased interface?

9. What is adaptive maintenance?

10. Write the types of system tests.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write in detail about changes in software development practices.

Or

(b) Discuss briefly about prototyping model.

12. (a) Explain the characteristics of good SRS document.

Or

(b) Write short notes on classification of coupling.

13. (a) Explain structured analysis in detail.

Or

(b) Describe briefly about interaction diagrams.

14. (a) Explain the characteristics of good user interface.

Or

(b) Write in detail about software documentation.

15. (a) Write briefly about steps in statistical testing.

Or

(b) Discuss in detail about architecture of case environment.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss in detail about project estimation techniques.

17. Explain requirements gathering.

18. Describe briefly about developing DFD model of a system.

19. Explain in detail about component – based GUI development.

20. Discuss briefly about CASE support in software life cycle.

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