S.No. 1653

12UCA05

(For the candidates admitted from 2012–2013 onwards)

B.C.A. DEGREE EXAMINATION, NOVEMBER 2017.

Third Semester

SOFTWARE ENGINEERING

Time : Three hours   Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   Define Gantt chart.

2.   What are the categories of risks?

3.   What is meant by a Formal technique?

4.   What is a Coupling? Explain.

5.   Define DFD.

6.   What is the aim of Structured design?

7.   Mention the different types of the Software documentation.

8. What is a Beta Testing?

9. Define Quality Management System.

10. What is Software Reverse Engineering?

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain Prototyping model.

Or

(b) Describe the Configuration Management Activities.

12. (a) Discuss the characteristics of a good Software Design.

Or

(b) Explain Decision Tables briefly.

13. (a) Discuss the Basic Building blocks of Structured chart.

Or

(b) Write short notes on Polymorphism.

14. (a) Describe the various types of User Interfaces.

Or

(b) Explain Black-box Testing.

15. (a) Write short notes on Quality System Activities.

Or

(b) Explain Estimation of Maintenance Cost.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain Risk Management in detail.

17. Discuss in detail about the Operational Semantics.

18. Explain Transform Analysis in detail.

19. Explain Integration Testing in detail.

20. Describe the Architecture of a CASE Environment.

———