S.No. 2995

12 UCS 08

(For the candidates admitted from 2012–2013 onwards)

B.Sc. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2014.

Fifth Semester

Computer Science

SOFTWARE ENGINEERING

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write any two project estimation techniques.

2. Define configuration control.

3. Define decision table.

4. Write any two software design approaches.

5. Define DFD.

6. What is genericity?

7. Define verification.

8. What is beta testing?

9. Define quality management system.

10. Write any two components of modern CASE environment.

PART B — (5 × 5 = 25 marks)

Answer ALL questions with internal choice.

11. (a) Explain project planning activities.

Or

(b) Explain categories of risks.

12. (a) Explain characteristics of a good software design.

Or

(b) Discuss classification of coupling.

13. (a) Describe primitive symbols used for constructing DFD.

Or

(b) Describe the basic building blocks of structure chart.

14. (a) Explain types of user interfaces.

Or

(b) Explain block box testing.

15. (a) Explain software reverse engineering.

Or

(b) Explain ISO 9000 certification.

PART C — (3 × 10 = 30 marks)

Answer any THREE out of Five questions.

16. Explain prototyping model with neat diagram.

17. Describe the following concepts

(a) Decision tree

(b) Decision table.

18. Explain key concepts of object-oriented approach.

19. Discuss characteristics of a good user Interface design.

20. Explain characteristics of CASE tools.

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S.No. 2681 **12 UCA 05**

(For the candidates admitted from 2012–2013 onwards)

B.C.A. DEGREE EXAMINATION,
NOVEMBER/DECEMBER 2014.

Third Semester

SOFTWARE ENGINEERING

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. What are the important metrics to estimate size parameters?

2. What are the main categories of Risks?

3. What is a Formal Technique?

4. What is coupling?

5. Define DFD.

6. What are the basic building blocks of Structure Chart??

7. What is Mode?

8. What are the different types of Software Documentation?

9. What are the components of Modern CASE Environment?

10. What are Standards of ISO 9000?

PART B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Explain Prototype model.

Or

(b) Discuss Empirical estimation Technique.

12. (a) Write the Characteristics of Good SRS Document.

Or

(b) Explain Classification of Cohesion.

13. (a) Discuss the Primitive Symbols used for Constructing Chart.

Or

(b) Explain Transform Analysis.

14. (a) Write the types of User Interfaces.

Or

(b) Discuss Debugging Approaches.

15. (a) Explain Software Reverse Engineering.

Or

(b) Explain the Second Generation CASE Tools.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain briefly about Scheduling.

17. Describe Decision Tree and Tables with example.

18. Explain Object Oriented Concept.

19. Explain White Box Testing.

20. Discuss Software Quality Management System.

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