FIFTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, NOVEMBER 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U BCS5 B10 / CC19U BCA5 B10 - PRINCIPLES OF SOFTWARE ENGINEERING

(Computer Science / Computer Application - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours   Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)
Answer *all* questions. Each question carries 2 marks.

1. Define the typical umbrella activities.

2. How are software process assessed?

3. What is agility?

4. Define QFD.

5. List the attributes of a class diagram.

6. Define the term Navigation Modeling.

7. Define collaboration diagram.

8. What is meant by dynamic structure of a program?

9. What is meant by software testing?

10. How is Quality Assurance established?

11. What is meant by black box testing?

12. What is meant by Automated Debugging?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)
Answer *all* questions. Each question carries 5 marks.

13. Explain few Analysis Rules of Thumb.

14. Describe Activity Diagram with example.

15. Describe Deployment Diagram with example.

16. Describe Software Quality attributes.

17. Explain Cohesion and Coupling.

18. Describe coding guidelines.

19. Explain Data type checking feature.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Describe any two agile process models.

21. What is Debugging? Describe different debugging strategies.

(1 × 10 = 10 Marks)

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