19U571 (Pages: 2) Name: .....

Reg.No: .....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS - UG)

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

(Computer Science/Computer Application - Core Course)

(2019 Admission - Regular)

Time : 2.00 Hours Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

Answer ***all*** questions. Each question carries 2 marks.

1. What is computer-aided software engineering?
2. How are software process assessed?
3. What is an agile software process?
4. Define Software domain analysis.
5. Define Diagram Organization.
6. What is the usage of UML deployment diagram?
7. Define a class.
8. Explain the purpose of coding phase.
9. What is meant by White box testing?
10. List the activities that help a software team achieve high software quality.
11. What is meant by debugging?
12. Describe Perfective maintenance.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer ***all*** questions. Each question carries 5 marks.

13. Write notes on Quality Function Deployment.

14. Describe Class Diagram with example.

15. Describe Component Diagram with neat figure.

16. Discuss the dependency inversion principle briefly.

17. Discuss the relationship between the concept of information hiding as an attribute of effective modularity and the concept of module independence.

18. Describe coding guidelines.

19. Describe data abstraction exception handling.

(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 testing? Describe various levels of software testing.

(1 × 10 = 10 Marks)

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