

D 10560

(Pages : 2)

Name.....

Reg. No.....

**FIFTH SEMESTER U.G. DEGREE EXAMINATION, NOVEMBER 2021**

(CBCSS—UG)

B.C.A.

BCA 5B 10—PRINCIPLES OF SOFTWARE ENGINEERING

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Type Questions)***Answer at least eight questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. Define Software Engineering.
2. What do you mean by Formal methods model ?
3. What is an agile process ?
4. What is business process ?
5. Explain the term Reverse Engineering.
6. Explain the function of code restructuring.
7. What do you mean by Requirements Elicitation ?
8. What are Use case diagrams ?
9. Explain the term modularity.
10. What do you mean by Exception handling ?
11. What is Validation testing ?
12. Explain Data abstraction.

(8 × 3 = 24 marks)

**Section B (Short Essay Type Questions)***Answer at least five questions.**Each question carries 5 marks.**All questions can be attended.**Overall Ceiling 25.*

13. Explain the software engineering process framework.
14. Explain the incremental Process model.

**Turn over**

15. Explain software design concepts.
16. Compare Scrum and DSDM.
17. Explain Business Process Reengineering
18. Explain QFD.
19. Explain the strategic approach to software testing.

(5 × 5 = 25 marks)

**Section C (Essay Type Questions)**

*Answer any one question.*

*The question carries 11 marks.*

20. Explain Software Development Life Cycle. Discuss the Waterfall model.
21. Explain the different types of System tests.

(1 × 11 = 11 marks)