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.

$(5 \times 5$

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.

$(1 \times 11$

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