

D 110125

(Pages : 2)

Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION  
NOVEMBER 2024**

Computer Science

BCS 5B 10—PRINCIPLES OF SOFTWARE ENGINEERING

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Type Questions)**

*Answer all questions.**Each correct answer carries a maximum of 2 marks.**Ceiling 20 marks.*

1. What is a software process ?
2. Which are the three types of requirements identified by quality function deployment ?
3. What is unit testing ?
4. What is the goal of structured coding techniques ?
5. Define a design pattern.
6. Which is the key concept during the coding activity of Extreme Programming ?
7. What are scenario based models ?
8. What do you mean by object oriented design ?
9. What are pointer data types ?
10. What is software maintenance ?
11. What do you mean by exception handling ?
12. What is alpha and beta test ?

**Turn over**

**Section B (Short Essay Type Questions)**

*Answer all questions.*

*Each correct answer carries a maximum of 5 marks.*

*Ceiling 30 marks.*

13. Explain about the Scrum.
14. How to establish the ground work ?
15. Discuss about type checking.
16. What is software testing strategy ?
17. Differentiate cohesion and coupling.
18. Explain with UML diagrams the different elements of requirement model.
19. Explain about modern programming language features.

**Section C (Essay Type Questions)**

*Answer any **one** question, correct answer carries 10 marks.*

20. What is a process model ? Explain about various prescriptive process models ?
21. Explain about the design concepts and design models.

(1 × 10 = 10 marks)