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)