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FIFTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION NOVEMBER 2023

B.C.A.

BCA 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 question carries 2 marks, Ceiling 20 marks.

1. Write a short note on software myths.

2. Explain the basic software process.

3. What are the crises faced in software field ?

4. Describe feasibility study in requirement engineering.

5. What are the benefits of use cases ?

6. Write the significance of UML in the field of software engineering.

7. How class diagram are being popular among UML diagrams ?

8. Write down some general guidelines for internal documentation.

9. How structured coding is useful in computer programs ?

10. What do you mean by user-defined data types ?

11. What do you mean by software quality assurance ?

12. What are the issues in software testing strategies ?

Section B (Short Essay Type Questions)

Answer **all** *questions.*

Each question carries 5 marks, ceiling 30 marks.

13. With the help of a diagram explain RAD process model.

14. Explain the Agile software development models.

15. How to establish ground work in requirement engineering ?

16. Describe the process of requirement analysis with the help of diagram.

17. Explain the three levels of phases in software design process.

18. Explain software documentation and the documentation guidelines.

19. Write the significance of software maintenance in software engineering ?

Section C (Essay Type Questions)

Answer any **one** *question.*

Each question carries 10 marks.

20. Explain Prescriptive process models.

21. Explain use case diagram. Give an example.

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