Q.P. Code – 68504

Fifth Semester B.C.A. Degree Examination, October/November 2019

(CBCS Scheme)

Computer Science

SOFTWARE ENGINEERING

Time : 3 Hours] *[Max. Marks : 90*

Instructions to Candidates : Answers ALL Sections.

SECTION – A

Answer any **TEN** questions : **(10 × 1 = 10)**

1. Define software process.
2. What is scenario?
3. What is system?
4. Define proto typing.
5. List design strategies.
6. State coupling definition.
7. Distinguish between super class and sub class.
8. Give the meaning of software reliability.
9. State the importance of statistical testing.
10. What is fault tolerance?
11. Define defect testing.
12. State objective of testing.

SECTION – B

Answer any **FIVE** questions : **(5 × 3 = 15)**

13. What is software product? Explain types of software products.
14. Mention and explain system procurement method.

15. Explain types of non functional requirements.

16. Explain types of proto typing with their limitations.

17. List the advantages of "Software with reuse".

18. Explain generator based reuse.

19. Mention and explain types of s/w maintenance.

SECTION – C

Answer any **SIX** questions : **(6 × 5 = 30)**

20. Explain proto-type development process.

21. Write a note on user interface proto typing.

22. Define cohesion. And explain types of cohesion.

23. Explain object design model.

24. With the help of example, explain exception handling.

25. List and explain different test strategies.

26. Explain reliability growth modeling.

27. Explain fault avoidance constructs.

SECTION D

Answer any **FIVE** questions : **(5 × 7 = 35)**

28. Discuss spiral model with a neat diagram.

29. Write a note on professional and ethical responsibilities of software engineer.

30. What are the activities involved in design process? Explain.

31. What is DFD? Draw DFD for generation of employee payroll.

32. Explain user interface design process.

33. What is white box testing? Explain types of white box testing.

34. Explain COCOMO model in detail.
