

(Pages : 3)

J – 1466

Reg. No. :

Name :

Fourth Semester B.Sc./B.C.A. Degree Examination, March 2020

Career Related FDP under CBCSS

Group 2(a) Physics and Computer Applications/Group (2b) Computer Applications

Core Course/Vocational Course-PC 1471/CP 1441

SOFTWARE ENGINEERING

(2018 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A (Very Short Answer Type)

[One word to maximum of one sentence. Answer all questions]

1. Expand DFD.
2. Expand SRS.
3. Name any two software development life cycle model.
4. What do you mean by software process?
5. What is the benefit of iterative development?
6. What is the purpose of quality plan?
7. What do you mean by a software failure?

P.T.O.

8. What is a test suite?
9. Name two approaches for test case design.
10. What is statement coverage criterion in testing?

(10 × 1 = 10 Marks)

SECTION – B (Short Answer)

[Not to exceed **one** paragraph, answer **any eight** questions. Each question carries **2** marks.]

11. What are time boxed iterations?
12. What is a specification language?
13. What are the specific requirements in an SRS?
14. What is the purpose of DFD?
15. What do you mean by a modular system?
16. What is test driven development?
17. What do you mean by refactoring?
18. What is code inspection?
19. What is a test case?
20. What is integration testing?
21. What is a test plan?
22. What is black box testing?

(8 × 2 = 16 Marks)

SECTION – C (Short Essay)

[Not to exceed **120** words, answer **any six** questions. Each question carries **4** marks]

23. Explain the need for software maintenance.
24. Explain the components of an SRS.
25. Explain the characteristics of good user interface.
26. What are the key planning tasks in project planning?
27. Write short notes on risk management.
28. Explain coupling in software engineering.
29. Explain the steps in software reverse engineering.
30. Explain the concept of CORBA.
31. Write short notes on unit testing.

(6 × 4 = 24 Marks)

SECTION – D (Long Essay)

[Answer **any two** questions. Each question carries **15** marks]

32. Explain waterfall model and its advantages with a neat diagram.
33. Explain in detail the need for SRS.
34. Briefly explain COCOMO model.
35. Explain the concept of class diagrams with example.

(2 × 15 = 30 Marks)