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Sixth Semester B.C.A. Degree Examination, March 2020

Career Related FDP under CBCSS

Group 2(b) – Computer Applications

Elective Course

CP 1661.3: SOFTWARE TESTING

(2014 Admission onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer all questions. Each question carries 1 mark.

1. Define Testing.
2. Write a note on path predicates.
3. Define functional testing.
4. A _____ is a unit of work seen from a system user's point of view.
5. Define births in terms of transaction flow testing.
6. What is data flow testing?
7. Define path.
8. What is a regular expression?

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9. Define state graph.
10. Define Graph Testing.

(10 × 1 = 10 Marks)

SECTION – B

Answer **any eight** questions. Each question carries **2** marks.

11. Write in brief about model of the environment.
12. What do you mean by path testing?
13. What is achievable paths?
14. What are the demerits of transaction flow graphs?
15. Define and explain dynamic anomaly.
16. Differentiate Ordinary junction and absorption.
17. What is path expression?
18. Write in detail about elements of Flow graph.
19. What is regular expression? Explain.
20. What is logic based testing?
21. Define and explain knowledge based system.
22. Write a note on state testing.

(8 × 2 = 16 Marks)

SECTION – C

Answer **any six** Questions. Each question carries **4** marks.

23. What is Debugging?
24. What are Flow Graphs? Explain.

25. Explain about types of Testing.
26. Differentiate nice and ugly domain.
27. What do you mean by interface testing? Explain.
28. Write a note on Path products.
29. Discuss reduction procedure algorithm.
30. Explain about kv chart.
31. Differentiate good and bad state graphs.

(6 × 4 = 24 Marks)

SECTION –D

Answer **any two** question. Each question carries **15** marks.

32. Discuss in detail about various types of Bugs.
33. Explain about Domain Testing.
34. Write in detail about Regular Expressions and Flow Anomaly Detection.
35. Describe the role of Decision Tables in Logic based testing.

(2 × 15 = 30 Marks)