BT-6/M-23   **46310**

SOFTWARE TESTING
Paper : PC-CS-AIML-308A

Time : Three Hours]   [Maximum Marks : 75

Note : Attempt *five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

UNIT–I

1.   (a)   Explain Software Testing Process in detail. What are the restrictions for testing process?
      (b)   Explain the process of SDLC with proper flowchart in detail.   (7+8=15)

2.   (a)   What is test oracles and what is it used for?
      (b)   Differentiate among Verification and Validation by taking an example.   (7+8=15)

UNIT–II

3.   (a)   What is the scope of Decision table testing?   8
      (b)   How Equivalence class testing is used? Illustrate with example.   7

4.   (a)   Why data flow testing is important in testing process?   7

(b) Is path testing a white box testing? Where do we use path testing? 8

UNIT–III

5. (a) Discuss the various levels of testing? 8
   (b) What are different debugging techniques? What is a breakpoint in testing? 7

6. (a) What are the steps involved while performing Regression testing? 8
   (b) How do you identify the risk in testing process? 7

UNIT–IV

7. (a) Explain the software quality assurance. What are the various quality attributes?
   (b) Discuss all the levels of CMM. How does the CMM work? (7+8=15)

8. Write short note on the following :
   (a) Stress Testing.
   (b) Exploratory Testing.
   (c) Adhoc Testing. (5×3=15)