Day : Wednesday

Date 16-02-2022

W-21878-2021

Time : 10:00 AM-01:00 PM

Max. Marks: 60

N.B.:

1) Q4 from Section I is COMPULSORY.
2) Answer ANY TWO questions from Q 1, 2, 3 in Section I.
3) Answer ANY TWO questions from Q 5, 6, 7 in Section II.
4) All question CARRY EQUAL marks.
5) Answers to Both the sections should be written in SAME answer book.
6) Draw a labeled diagram WHEREVER necessary.

SECTION - I

Q.1) Answer the following: (6 Marks X 2 = 12)
   a) Define the term Software. Explain its various characteristics.
   b) Explain various phases of Software Testing Process.

Q.2) Answer the following: (6 Marks X 2 = 12)
   a) Explain V-Testing Model with the help of suitable diagram.
   b) Explain Unit Testing Strategy in detail. State when unit testing is conducted.

Q.3) Explain the following: (6 Marks X 2 = 12)
   a) What is Integration Testing? Explain its various approaches.
   b) Explain the role of testing in Risk Management.

Q.4) Write short notes on the following: Attempt ANY THREE (4 Marks X 3 = 12)
   a) Members involved in software development
   b) Goals of testing
   c) Testing Patterns
   d) Stress Testing
   e) Testing of client/server Architectures
   f) Types of Risks

SECTION - II

Q.5) Answer the following: (6 Marks X 2 = 12)
   a) Explain various Verification Techniques.
   b) Explain Performance Testing in brief.

Q.6) Answer the following: (6 Marks X 2 = 12)
   a) Explain Basis Path Testing in brief.
   b) What is Debugging? Differentiate between testing and debugging.

Q.7) Explain the following: (6 Marks X 2 = 12)
   a) What are real time systems? Discuss the process of testing a real time system.
   b) What is Black Box Testing Techniques? Explain Equivalence Partitioning.

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