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Paper Code : BCAC402 Software Engineering

UPID : 400087

Time Allotted : 3 Hours

Full Marks : 70

The Figures in the margin indicate full marks.

Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :

[1 x 10 = 10]

- (I) White Box techniques are also classified as-----
- (II) Who are the primary users of SCM systems?
- (III) State process flow with reference to a Transaction Processing System.
- (IV) What is operational feasibility
- (V) Who is responsible for acceptance testing?
- (VI) Regression testing is a very expensive activity. TRUE or FALSE
- (VII) The spiral model has two dimensions namely _____ and _____
- (VIII) What stores all changes and info related to the project from development through maintenance in CASE tools?
- (IX) What are the various Testing Levels?
- (X) Who identifies, documents, and verifies that corrections have been made to the software?
- (XI) For a weak entity set to be meaningful, it must be associated with another entity set, known as _____
- (XII) A _____ is a decision support tool that uses a tree-like graph or model of decisions and their possible consequences, including chance event outcomes, resource costs, and utility.

Group-B (Short Answer Type Question)

Answer any three of the following :

[5 x 3 = 15]

2. What is a context diagram? [5]
3. Mention the Advantages of waterfall model. [5]
4. What is Office Automation. [5]
5. State different types of black box testing. [5]
6. Draw Context level diagram of online banking system. [5]

Group-C (Long Answer Type Question)

Answer any three of the following :

[15 x 3 = 45]

7. (a) What are the tasks in SCM Process? [10]
(b) State limitations of CMM Models. [5]
8. (a) Describe Transaction Processing System (TPS). [8]
(b) What are knowledge-based systems? [7]
9. (a) What are different System design tools? [10]
(b) What are the steps for performing feasibility analysis? [5]
10. (a) State disadvantages of top down integration testing. [8]
(b) What are the advantages of Bottom-Up Integration Testing. [7]
11. (a) State the necessary conditions for implementing Evolutionary model. [8]
(b) State the advantages of Evolutionary Model. [7]

*** END OF PAPER ***