Duration: 3 hours   **Total Marks: 100**

N.B. **(1) Question No.1 is compulsory**
       (2) Answer any 4 of the remaining questions
       (3) Figures to the right indicate full marks

Q.1 **A)** What is cause effect graphing decision table technique? Explain with an example. **10**

B) Which are fundamental tests processes? Explain. **10**

Q.2 **A)** Explain the role of testing in SDLC. Explain System testing and its importance. **10**

B) Write the different steps involved in the review process. **10**

Q.3 **A)** Explain the difference between functional and non-functional testing. Explain load testing, performance testing and stress testing. **10**

B) Explain the test objectives, test environment and test strategies for unit testing. **10**

Q.4 **A)** Compare black box testing and white box testing. Explain with the help of an example. **10**

B) What is State Transition Testing Technique? Draw the transition tree for a Stack. **10**

Q.5 **A)** Explain different types of test strategies. Explain Analytical versus Heuristic Approach. **10**

B) Explain the cost and economy aspects of testing. **10**

Q.6 **A)** What are the test tools for dynamic and static testing? **10**

B) Describe criteria for selection and introduction of test tools. **10**

Q.7 Write short notes on any four: **20**
        (a) Integration Testing
        (b) Intuitive and Experience Based Testing
        € Incident Reporting
        (d) Software Quality
        € Static Testing

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