(3 Hours)   **[Marks: 80]**

N.B.: 1) Question No. 1 is compulsory.

      2) Answer any three out of remaining questions.

      3) Assume suitable data if necessary.

      4) Figures to the right indicate full marks.

Q1. (a) List different block box testing methods. Explain any one method in detail.   10

Q1. (b) With a neat diagram explain the Life Cycle of a bug.   10

Q2. (a) Define Static Testing? What are the different types of static testing?   10

Q2. (b) Explain in detail any one incremental approach for Integration Testing.   10

Q3. (a) What is the need of software measurement? Discuss various types of software metrics. 10

Q3. (b) Explain STLC in detail and give the reason why STLC is not a phase of SDLC but a it is a process.   10

Q4. (a) Explain CMMI and ISO 9126.   10

Q4. (b) What is the difference between alpha and beta unit testing? Explain the entry and exit criteria for alpha and beta testing.   10

Q5. (a) Define defect age and defect spoilage. Explain Test point Analysis.   10

Q5. (b) Explain the difference between Stress Testing and Load Testing and write a test case as an example for each.   10

Q6. (a) Explain the need of Automation Testing. Explain any two automation testing tools.   10

Q6. (b) Discuss the challenges in performing

       (i) Agile Testing

       (ii) Web Testing

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