

(3 hrs.)

Maximum Marks = 80

NB:

1. Question No. 1 is compulsory and solve any **THREE** questions from remaining questions
2. Assume suitable data if necessary
3. Draw clean and neat diagrams

Q1.	Attempt any four	Marks
a.	Describe Static testing types.	5
b.	Explain Goals of software testing.	5
c.	Explain the structure of the testing group.	5
d.	Explain the difference between failure, fault and error.	5
e.	Explain McCall's quality.	5
Q2.	a. Explain issues and techniques in object oriented testing	10
	b. Explain the classification of software metrics in detail.	10
Q3.	a. A program determines the next date in the calendar. Its input is entered in the form of <ddmmyyy> with the following range: 1<= mm <=12 1 <= dd <= 31 1900 <= yyyy <= 2025 Its output would be the next date or it will display 'invalid date.' Design test cases for this program using BVC, robust testing.	10
	b. Explain the need of automation testing also mention guidelines to be considered while selecting the testing tool.	10
Q4.	a. Difference between 1. White box testing and Black box testing. 2. Verification and Validation	10
	b. Explain in detail 1. Regression testing. 2. Six Sigma	10
Q5	a. A program reads three numbers A, B and C with a range [1,50] and prints the largest number. Design test cases for this program using equivalence class testing technique.	10
	b. Explain Entry and exit criteria of Alpha and Beta Testing. How alpha testing is differed from Beta testing	10
Q6	a Explain Software Bug Life Cycle in detail.	10
	b Explain Agile testing in detail.	10
