

Total No. of Questions: 6

Total No. of Printed Pages: 3

Enrollment No.....



Programme: MCA

Branch/Specialisation: Computer Application

Faculty of Engineering  
End Sem Examination Dec 2024  
OE00046 Software Testing

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

	Marks	BL	PO	CO	PSO
Q.1 i. What does the term "Test coverage" refer to in software testing?	1	1	2	1	
(a) The extent to which the source code is tested					
(b) Types of test cases prepared					
(c) Number of test cases passed					
(d) Software performance indicators					
ii. In white box testing, which technique focuses on testing all paths in the program?	1	1	1	1	
(a) Boundary value analysis					
(b) Decision coverage					
(c) Path testing					
(d) Regression testing					
iii. What is a primary benefit of automation testing?	1	1	1	1	
(a) Cost reduction in manual testing					
(b) Immediate feedback on quality					
(c) Reduced time to market					
(d) All of these					
iv. What is the main purpose of a test case?	1	2	2	1	
(a) Describes software requirements					
(b) Documents bugs					
(c) Specifies inputs and expected results for testing					
(d) Identifies system design flaws					



## Marking Scheme

### **OE00046 (T) Software Testing (T)**

<b>OE00046 (T) Software Testing (T)</b>		
Q.1	i) (a) The extent to which the source code is tested  ii) (c) Path testing  iii) (d) All of the above  iv) (c) Specifies inputs and expected results for testing  v) (c) State transition testing  vi) (b) Interact with web elements during testing  vii) (b) System functionality  viii) (c) Test Case Development  ix) (a) Test cases  x) (b) Basic initial testing to verify stability	<b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b>
Q.2	i. Importance of software testing  ii. Role of tester-2M Example-1M  iii. a) Defect, software defects quality-3M b) Explain S/W development rather manufactured-2M  OR   iv. Importance of test plan -3M List of its key component-2M	<b>2</b> <b>3</b> <b>5</b> <b>5</b>
Q.3	i. Importance of blackbox -2M  ii. Example why-4M Performance -2M Justify-2M  OR   iii. Equivalence test case-4M Boundary test case-4M	<b>2</b> <b>8</b> <b>8</b>
		Q.4   i. Usability testing -2M Example -1M  ii. Non-functional testing -5M Example -2M  OR   iii. Smoke testing -2M Sanity-2M Installation testing-3M  Q.5   i. Track and manage defects-2M  ii. Test scenarios to cover -6  OR   iii. Key Characteristics-3M Quality test process-3M  Q.6   i. Importance of automated testing -5M  ii. Explain management tool-3M Example-2M  iii. Discuss test plant-3M Example-2M
		*****