

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**M.SC(CS)- INTEGRATED – SEMESTER VII- EXAMINATION –WINTER-2024**

**Subject Code:1370302****Date: 21/11/2024****Subject Name: Software Testing and Quality Assurance****Time:10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

		Marks
<b>Q.1</b>	(a) Explain Any Three Quality Models.	<b>03</b>
	(b) What is Mobile Application Testing ?	<b>04</b>
	(c) Explain Software Testing Life Cycle ?	<b>07</b>
<b>Q.2</b>	(a) Explain types of metrics ?	<b>03</b>
	(b) What is Black Box testing and its types ?	<b>04</b>
	(c) Explain Software Testing methods.	<b>07</b>
<b>OR</b>		
	(c) Explain Unit Testing with advantage and disadvantage in it.	<b>07</b>
<b>Q.3</b>	(a) Explain any three concept developing testing metric.	<b>03</b>
	(b) Types of software testing metric.	<b>04</b>
	(c) What is Defect management process?	<b>07</b>
<b>OR</b>		
<b>Q.3</b>	(a) Importance of metric in software testing.	<b>03</b>
	(b) Explain advantages of Defect Management Process	<b>04</b>
	(c) What is Defect reporting?	<b>07</b>
<b>Q.4</b>	(a) What is Quality Control?	<b>03</b>
	(b) What is Quality of Metrics?	<b>04</b>
	(c) What is Software Quality? Explain with advantage and disadvantage.	<b>07</b>
<b>OR</b>		
<b>Q.4</b>	(a) Benefits of Software Quality assurance.	<b>03</b>
	(b) What is software review? Explain its type?	<b>04</b>
	(c) Explain the factors affecting software quality.	<b>07</b>
<b>Q.5</b>	(a) What is Keyword-Driven Framework?	<b>03</b>
	(b) What is QuickTest Professional?	<b>04</b>
	(c) What is Quality cost?	<b>07</b>
<b>OR</b>		
<b>Q.5</b>	(a) What is Flow Diagram?	<b>03</b>
	(b) What is Data driven framework?	<b>04</b>
	(c) Explain manual vs automatic testing.	<b>07</b>

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