

Total No. of Printed Pages:02

SUBJECT CODE NO:- H-268
FACULTY OF SCIENCE AND TECHNOLOGY
T.E. (CSE/IT)
Software Testing and Quality Assurance
(OLD)

[Time: Three Hours]

[Max. Marks: 80]

- N.B Please check whether you have got the right question paper.
 i) Q.No.1 from section A and Q.No.6 from section B are compulsory.
 ii) Attempt any two questions from the remaining questions in each section

Section A

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| Q.1 | Answer the following (any five) | 10 |
| | <ol style="list-style-type: none"> 1) Define quality control 2) What is volume testing? 3) Explain error guessing. 4) List the elements of SQA. 5) Differentiate between load and stress 6) How to identify test cases? 7) Explain software reliability. 8) What is Hallway testing? | |
| Q.2 | a) Explain in detail McCall's factor model | 07 |
| | b) Explain performance testing in detail. | 08 |
| Q.3 | a) Explain any two S/W development models. | 07 |
| | b) Explain equivalence partitioning & BVA | 08 |
| Q.4 | a) Explain unit testing | 07 |
| | b) What is black box testing ? Explain any one black box testing method. | 08 |
| Q.5 | Write a short note on (any three) | 15 |
| | <ol style="list-style-type: none"> 1) CMM 2) Unit testing 3) Quality concept 4) Condition coverage | |

Section B

Q.6	Answer the following (any five)	10
	1) List different types of tools and skills of tester	
	2) What are the important factors of test plan	
	3) Define testing strategies.	
	4) What is the impact of severity & priority in a project.	
	5) Explain any one automation testing tools with respect to it's features .	
	6) Differentiate between test reporting & defect reporting.	
	7) What are the benefits of test documentation?	
	8) State functional and regression testing tools	
Q.7	a) Explain context sensitive & analog mode of winRunner in detail	08
	b) Explain testing strategies.	07
Q.8	a) Explain test case template with two examples.	08
	b) Explain defect lifecycle in detail.	07
Q.9	a) What are the advantages and disadvantages of using testing tools.	07
	b) Explain qualitative and quantitative analysis in detail.	08
Q.10	Write short notes on (any three)	15
	1) Dynamic testing tool	
	2) Defect management tool	
	3) Test Data	
	4) Strategic test management	