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Marks: 75

. B.:	(1) All questions are compulsory. (2) Make suitable assumptions wherever necessary and state the assumptions made.	
	(3) Answers to the <u>same question</u> must be <u>written together</u> .	
	(4) Numbers to the <u>right</u> indicate <u>marks</u> .	
	(4) Numbers to the <u>right indicate marks</u> . (5) Draw <u>neat labeled diagrams</u> wherever <u>necessary</u> .	
	(6) Use of Non-programmable calculators is allowed.	
*	(6) Use of Non-programmable calculators is an annual calculators in an annual calculators is an annual calculators in an annual calculators is an annual calculators in an	
1	tue of the following:	10
1.	What is software testing? What are the objectives of software testing.	
a.	a 1 · 11 memorniac of collware resulting	
b.	What is fundamental test process in software testing? List the major tasks involved in	
c.	test planning.	
d.	Write note on psychology of testing.	
u.		10
2.	Attempt any two of the following:	10
a.	- 1 · 1 ·	
b.	Explain the two specific types of tests rotated to set the advantages and disadvantages of Explain top-down and bottom up integration. List the advantages and disadvantages of	
U.	- B. 사람, - B. H.	
c.	What is maintenance testing? Explain the different types of modifications during	
C.	maintenance testing.	
d.	Describe black-box and white-box testing	
u.		10
3.	Attempt any two of the following:	10
a.	Attempt <u>any two</u> of the following: What is static testing? List the objectives and advantages of static testing on software	
	3 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
b.	True : O 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
c.	List the six work steps of formal review. Explain the three phases of review meeting.	
d.	Explain the success factors of reviews.	
		10
4.	Attempt any two of the following:	10
a.	Barriage harmony value analysis with the neip of all example.	
b.	to : do the two experience-hased techniques for testing.	
c.	Briefly explain the internal and external factors that influence the selection of	
72,0	appropriate test design technique.	
d,	Explain statement and decision coverage with the help of example.	
	\$ \$\text{\$\exitt{\$\text{\$\exittit{\$\text{\$\exititit{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{	10
5.	Attempt any two of the following:	- `
a.	without of distance of the different classifications of risk in software testing.	
b .	Trivil all the state of diagrams explain incident report life cycle.	
°c.	A an analysis of the that influence the effort related to testing.	
d.	Define entry and exit criteria. What are the factors to consider in deciding entry and	
	exit criteria for software testing?	

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6.	Attempt <u>any two</u> of the following:	10
a.	What are the benefits and risks of test automation and tool support for testing?	Sa.
b.	State features of coverage measurement tools and security tools.	
c.	State the goals of piloting phase for tool evaluation. What are the factors that contribute	355
	to the success when implementing a testing tool?	
d.	What are the features of review process support tools?	
7.	Attempt <u>any three</u> of the following:	15
a.	Define the following terms	
	i)Test policy ii)Quality iii)Fault iv)Test suite v)Debugging	
b.	With the help of diagram explain V-model in software testing.	
c.	What is cyclomatic complexity? With the help of an example, explain two ways to	
	calculate cyclomatic complexity	
d.	What is test basis? Describe the process of identifying test conditions.	
e.	What are the activities involved in test planning? List the components of test plan.	
f.	Define stub and driver. What are the characteristics of test harnesses and unit test	
	framework tools?	
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