Tim	me: 2½ Hours Total Ma	rks: 75
N. I	 B.: (1) <u>All</u> questions are <u>compulsory</u>. (2) Make <u>suitable assumptions</u> wherever necessary and <u>state the assumption</u> (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>. (5) Draw <u>neat labeled diagrams</u> wherever <u>necessary</u>. (6) Use of <u>Non-programmable</u> calculators is <u>allowed</u>. 	ms made.
1.	Attempt any three of the following:	
a.	Will all the	15
b.	그 그 그 그 그 그 그 그 그 그 그 그는 그 그는 그들은 그 그 그 그들은 그 그 그 그 그 그 그 그 그 그 그 그 그	
	improvement.	
c.		
d.	그 그들은 사용하는 하는 점하는 그 교육에 불렀다면서 가는 가장이 모르겠다.	
e.	Define benchmarking and metrics.	
f.	Describe the key pillars of a Quality Management System.	
	James James John Marie System.	
2.	Attempt any three of the following:	15
a.	Explain the software testing lifecycle.	13
b.	State and explain principles of software testing.	
c.	Explain different levels of testing.	
d.	Explain V-Model. Write advantages and disadvantages of V-Model.	
e.	What is defect? What are different categories of defect?	
f.	Describe maintenance testing in detail.	
3.	Attempt any three of the following:	15
a.	Explain Equivalence class partitioning with example and its types.	
b.	What do you mean by Boundary Value testing?	
c.	Explain cause-and-effect graphing in decision based testing.	
d.	Write notes on DD path testing.	
e.	Write notes on McCabe's Baseline Method with advantages.	
f.	Explain slice-based testing and program slicing tools.	

4.	Attempt any three of the following:	15
a.	What are different methods of verification?	13
b.	Write in brief software development verification and validation activities.	
c.	Explain levels of acceptance testing.	20,
d.	Write about different types of reviews on the basis of stage /phase.	
e.	Explain verification workbench.	
f.	What is audit? Explain types of audit.	
5.	Attempt any three of the following:	15
a.	Explain sandwich testing along with its advantages and disadvantages.	13
b.	Explain integration testing along with its type.	
c.	Write notes on static testing tools.	
d.	What are the benefits of automation and tools?	
e.	Write notes on functional/regression testing tools and java testing tools.	
f.	Explain the different stages in requirement-based testing.	
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