

FACULTY OF ENGINEERING
T.E (CSE/IT)Year Examination - June– 2015
Software Testing & Quality Assurance
(Revised)

[Time: Three Hours]

[Max. Marks: 80]

“Please check whether you have got the right question paper.”

- N.B**
- i) Q.No.1 from section A is compulsory solve any two from the remaining
 - ii) Q.No.6 from section B is compulsory solve any two from the remaining

SECTION-A

- | | | |
|-----|-----------------------------------------------------------------------------------------------------------|----|
| Q.1 | Solve <u>any five</u> | 10 |
| a) | Define software testing | |
| b) | How does win runner evaluate test results? | |
| c) | What are the steps for top down integration? | |
| d) | What is the main benefit of designing tests early in the life cycle? | |
| e) | List the people who are associated with testing | |
| f) | What is the role of moderator in review process? | |
| g) | When should testing be stopped? | |
| Q.2 | a) Explain v – model in detail | 08 |
| | b) What is alpha and beta testing? What are few positive to having a beta test program for your software? | 07 |
| Q.3 | a) What is GUI testing? Explain in detail | 07 |
| | b) Distinguish between quality assurance and quality control | 08 |
| Q.4 | a) Explain equivalence partitioning in detail | 07 |
| | b) Define the following | 08 |
| | i) Statement converge | |
| | ii) Decision coverage | |
| Q.5 | Write short note on (<u>any three</u>) | 15 |
| | i) Prototyping model | |
| | ii) Level of testing | |
| | iii) FTR | |
| | iv) CMM model | |

SECTION –B

Q.6	Answer the following (<u>any five</u>)	10
	a) List out the test plan components	
	b) What is open source tool and give example?	
	c) What is quantitative data?	
	d) What is the different between new and open bug?	
	e) Define testcase	
	f) What is a data driven test in win runner?	
	g) What are the categories of defects?	
	h) What is test automation	
Q.7	a) What is defect reporting? What are its major purposes?	08
	b) Explain defect life cycle	07
Q.8	a) How are the tools selected for testing?	07
	b) Explain advantages and disadvantages of using tools.	08
Q.9	a) Explain risk analysis in detail	08
	b) Explain how to build test data	07
Q.10	Write short note on (<u>any three</u>)	15
	i) Fagan inspection	
	j) Open source testing tool	
	k) Testing strategy	
	l) Qualitative analysis	