

**SUBJECT CODE NO:- P-486**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**T.E.(CSE/IT) Examination MAY/JUNE-2016**  
**Software Testing and 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 and Q.No.6 from section B are compulsory.  
 ii) Attempt any two questions from the remaining questions in each section.

**Section A**

- Q.1 Answer the following (any five) 10  
 a) What is quality of design & quality of conformance?  
 b) Enlist and state down the principle of software testing?  
 c) What impact ratings have you used for errors in your testing?  
 d) What coding standards should follow by developer for avoiding the errors in testing?  
 e) What is the role of team leader in SQA activities?  
 f) What is acceptance testing?  
 g) Differentiate between regression & retesting?  
 h) What is the importance of code inspection?
- Q.2 a) Explain the software testing characteristics. 07  
 b) How do you perform functional testing on dynamic application? 08
- Q.3 a) Explain system testing in detail. 07  
 b) Explain equivalence class & boundary value analysis with an example. 08
- Q.4 a) Explain levels of software testing. 07  
 b) Explain the planning of SQA. 08
- Q.5 Write short notes on (any three) 15  
 1. Software reliability  
 2. CMM  
 3. Unit testing  
 4. Statement & decision coverage

**Section B**

- Q.6 Answer the following (any five) 10  
 a) What is static & dynamic testing?  
 b) How do you differentiate tester from developer?  
 c) How to calculate cyclomatic complexity?  
 d) What is impact of severity & priority in a project?  
 e) What is test closure?  
 f) What are important factors of test plan?  
 g) What is impact of defect in deployment phase?  
 h) What is configuration management?

Q.7 a)	Explain GUI & bitmap checkpoint testing.	07
b)	Explain defect life cycle.	08
Q.8 a)	Explain the quality project objectives.	07
b)	Explain advantages & disadvantages of automation testing tool.	08
Q.9 a)	How do you prepare software development plan.	07
b)	What is good test case? Explain test case template with an example.	08
Q.10	Write short notes on <u>(any three)</u>	15
	1. Features of win runner	
	2. Risk analysis	
	3. TSL ( test scripting language )	
	4. Fagan inspection	