SUBJECT CODE NO:- P-364
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E.(CSE/IT) Examination May/June 2017
Software Testing and Quality Assurance
(Revised)

[Time: Three Hours]   **[Max.Marks:80]**

Please check whether you have got the right question paper.
N.B   1.   Q. No. 1 from section A is compulsory. Solve any two from remaining question.
             2.   Q. No. 6 from section B is compulsory. Solve any two from remaining question.

Section A

Q.1   Answer the following (any five)   10
        1)   What is the role of team leader in SQA activity?
        2)   What coding stds. Should follow by developer for avoiding the errors in testing?
        3)   Differentiae bet^n Regression & retesting.
        4)   Differentiate bet^n. QA & QC.
        5)   What is verification & validation?
        6)   How do you estimate white box texting?
        7)   What are the objectives of software testing?
        8)   What is path testing?

Q.2   a)   Demonstrate the planning of SQA.   07
        b)   How do you perform functional testing on dynamic application?   08

Q.3   a)   Describe any techniques to perform usability testing.   07
        b)   Illustrate data flow testing & control structure testing.   08

Q.4   a)   Elaborate top down & bottom up approach for software testing.   07
        b)   Describe statistical Quality assurance for software Engineer.   08

Q.5   Write short notes on (any three)   15
        a)   Peer review & walk through.
        b)   Point out any SDLC model
        c)   Profits of automation testing
        d)   Distinguish black box & white box testing.

Section B

Q.6   Answer the following (any five)   10
        1)   What are features of testing tool?
        2)   What are objectives of development plan?
        3)   Differentiate bet^n test reporting & defect reporting.
        4)   What is test case? How do you define good test case?
        5)   What are diff. tasks handled by project manager during testing?
        6)   What are classifications of defect?
        7)   What is authorization & authentication?
        8)   How do you differentiate tester for developer.

2017

Q.7   a)   Describe operational test management.   07
       b)   Point out user required feature of testing tool & state its advantages.   08

Q.8   a)   Point out context sensitive & analog mode of win runner.   07
       b)   Demonstrate bug tracking, bug fixing & bug verification.   08

Q.9   a)   Point out the responsibilities of project manager for developing quality plan of project.   07
       b)   Prepare defect report template with an example.   08

Q.10   Write short notes on (any three)   15
       a)   Test data
       b)   Role of tester for automation testing
       c)   Strategic test management.
       d)   Verify, update & Debug mode of win runner.

2017