SUBJECT CODE-220
FACULTY OF ENGINEERING AND TECHNOLOGY
T.E.(CSE/IT) Examination Nov/Dec 2015
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) Question no. 1 from section A is compulsory. Solve any two from the remaining questions.
        ii) Question no. 6 from section B is compulsory. Solve any two from the remaining questions.

Section – A

Q1.   Answer the following (any five)   10
        a)   What is the role of STLC & SDLC?
        b)   Differentiate between unit & integration testing?
        c)   What is coverage & what are diff types of coverage techniques
        d)   What is the rote of quality control in SQA
        e)   What is verification & validation
        f)   What are the objectives of S/W testing?
        g)   How do you estimate white box testing
        h)   What is difference bet? Software testing & quality assurance

Q.2   a)   Explain the role of project manager in SQA activities?   07
        b)   Explain performance testing detail   08

Q.3   a)   Explain top down & bottom up approach for software testing   07
        b)   Explain data flow testing & control structure testing in detail   08

Q.4   a)   Explain any software development model.   07
        b)   Differentiate between black box & white box testing   08

Q.5   Write short notes on (any three)   15
        a)   Quality concepts
        b)   User interface testing
        c)   Peer review & walk through
        d)   Pros & cons of Automation testing

Section – B

Q.6   Answer the following (any five)   10
        a)   What is manual & automated testing?
        b)   What are the different tasks handled by project manager during testing?
        c)   What is authorization & authentication?
        d)   What are the objectives of development plan?
        e)   What is test case? How do you define good test case?
        f)   What are the features of testing tool?
        g)   Differentiate between test reporting & defect reporting?
        h)   What are the classifications of defect?

Q.7   a)   Explain guidelines for selecting testing tool   07
        b)   Explain defect fault & failure of a project with an example   08

Q.8   a)   Explain security concepts that cover testing of project?   07
        b)   Explain testing strategies in detail.   08

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Q.9   a)   Explain any open source testing tool for web application   07
         b)   Prepare test document template for product based application   08

Q.10 Write short notes on (any three)   15
         a)   Cost of bug in deployment
         b)   Static vs dynamic testing tool
         c)   Defect management tool
         d)   Test data