

BE (IT) SEM VIII (REV) May 2013
STQA 14/5/13

17: 1ST HALF-13 (r)-JP

Con. 7725-13.

(REVISED COURSE)

GS-5464

(3 Hours)

[Total Marks : 100

N.B. (1) Question No. 1 is compulsory.

(2) Attempt any **four** questions out of remaining **six** questions.

1. (a) What is acceptance testing ? Explain acceptance testing criteria and acceptance test plan. 10
(b) Explain McCall's quality factors and criteria. 10
 2. (a) Explain ISO 9126 quality characteristics. 10
(b) Explain test design preparedness matrices. 10
 3. (a) Explain metrics for monitoring test execution. 10
(b) Explain evaluation and selection of test automated tools. 10
 4. (a) Explain the boundary value analysis with the help of example. 10
(b) What are the differences between performance, stress and scalability testing. 10
 5. (a) What are the objectives of testing ? Write the different issues of testing and write the difference between validation and verification. 10
(b) Draw and explain control flow graph for binary search function. 10
 6. (a) What is the difference between static unit testing and dynamic unit testing ? Explain static unit testing with the help of example. 10
(b) What is data flow testing ? Explain feasible paths and test selection criteria in data flow testing. 10
 7. (a) What is system integration testing ? Explain test plan for system integration testing. 10
(b) Describe the difference between black box and white box testing. 10
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