DF-1462
M. Sc. (Computer Application) (Sem. III) Examination
March/April – 2016
Paper : 303 : Software Testing
(New Course)

Time : 3 Hours] [Total Marks : 70

Instruction :

Fill up strictly the details of signs on your answer book.

- Name of the Examination:
- Name of the Subject:
- Subject Code No. 1 4 6 2
- Section No. (1, 2, ....):
- Nil
- Student's Signature

1 Answer in brief: [14]

a) Define the terms: ‘Test case’ and ‘Test Data’.
b) Explain Performance testing in brief.
c) When testing can be considered Complete?
d) Explain walk-through as static whitebox testing technique.
e) Differentiate between Blackbox Testing and Whitebox Testing.
f) Describe 'Web Configuration Testing' in brief.
g) Explain beta testing in brief.

2 Answer in Detail: (Any Two) [14]

a) Describe various testing activities in detail.
b) Write a detailed note Specification testing (i.e. Static Blackbox Testing).
c) Write a detailed note on Data coverage testing.

3 Answer in Detail: (Any Two) [14]

a) Explain Unit Testing in detail. Can we consider code review by peer as unit testing? Justify.
b) Explain Test Automation. Also give idea about What to Automate, When to Automate and How much to automate.

c) Explain expected characteristics/requirements in automated testing tool for Test Recording and playback.

4 Answer in Detail: (Any Two)

a) Explain how can we test security and performance of a website/web application

b) Explain the process of component level testing and user interface testing of a website/web application

c) Give an example of testing each of the following:
   1. Portability
   2. Accuracy
   3. Code maintainability

5 Answer in Detail: (Any Two)

a) Explain Structure/format of Test Incident Reports. Also give its importance.

b) When requirements are said to be testable?

c) Compare and contrast the followings:
   1. Testing vs. debugging
   2. System testing vs. Acceptance testing.