GBCS SCHEME

USN

15CS552

Max. Marks: 80

Fifth Semester B.E. Degree Examination, June/July 2018 Introduction to Software Testing

Time: 3 hrs.

Note: Answer any FIVE full questions, choosing
ONE full question from each module.

Module-1

a. Explain software testing and indentifying test cases.
b. Explain necessity of Venn diagram during testing.

(08 Marks)
(08 Marks)

OR

2 a. Explain levels of testing with a neat diagram.

b. List and explain important error and fault taxonomies.

(08 Marks)

(08 Marks)

Module-2

a. Write a pseudo code for structured programming version of triangle programme. (08 Marks)
 b. With a neat diagram, explain the SATM system. (08 Marks)

OR

4 a. Explain equivalence class testing and robustness testing.
b. What are decision tables? Explain decision tables guidelines and observations.
(08 Marks)
(08 Marks)

Module-3

5 a. Explain assumptions in fault based testing.

b. Explain mutation analysis terminologies. (08 Marks)

(08 Marks)

OR

6 a. Explain the basis path testing.
b. Explain slice-based testing. (08 Marks)
(08 Marks)

Module-4

7 a. Define scaffolding. Explain generic versus specific scaffolding.

b. Explain the basic principles of process framework.

(08 Marks)

OR

8 a. Explain the following: i) Dependability properties ii) Organizational factors.
b. What is process? Explain how to improve the process.
(08 Marks)
(08 Marks)

Module-5

9 a. Explain integration testing strategies. (08 Marks)
b. List and explain regression test selection techniques. (08 Marks)

OR

10 a. Explain the following: i) Acceptance testing ii) System testing. (08 Marks)
b. Explain the path based integration testing. (08 Marks)