

Seat No. : 212

SH-103

September-2020

B.C.A., Sem.-VI

CC-307 : Software Testing

Time : 2 Hours]

[Max. Marks : 50

- Instructions :**
- (1) All Questions in **Section I** carry equal marks.
 - (2) Attempt any **TWO** questions in **Section I**.
 - (3) Question V in **Section II** is **COMPULSORY**.

Section – I

1. (A) What are the principles of software testing ? Explain in brief. **10**
(B) Write a short-note on Software Testing Life Cycle. **10**
2. (A) Explain structured walkthrough and technical review in detail. **10**
(B) Explain Equivalence Class Testing used in black-box testing. **10**
3. (A) Write a short note on Call graph-based integration technique. **10**
(B) What is acceptance testing ? Explain its types. **10**
4. (A) Explain elements of test infrastructure management in test management. **10**
(B) Write a short note on test process. **10**

Section – II

5. Answer the following (Any Five) : **10**
 - (1) Symptom(s) associated with a failure that alerts the user to the occurrence of a failure is called _____.
(a) Bug (b) Error
(c) Defect (d) Incident
 - (2) Every design feature and its corresponding code is checked logically with every possible path execution in _____.
(a) Black-box testing (b) White-box testing
(c) Testing tool (d) None of the above

- (3) Testing is a _____ process.
- (a) Intuitive (b) Random
(c) Planned (d) None of the above
- (4) Each row of state table corresponds to _____.
- (a) Input (b) State
(c) Transition (d) None of the above
- (5) A node with more than one arrow entering it is called a _____.
- (a) decision node (b) junction node
(c) region (d) All of the above
- (6) Static testing can be applied for most of the _____.
- (a) Validation activities (b) Verification activities
(c) SDLC activities (d) None of the above
- (7) Two types of interface modules which must be simulated, if required, to test the modules are _____.
- (a) unit and integration (b) simulators and emulators
(c) stubs and drivers (d) None of the above
- (8) The nodes where the control is being transferred after calling the module, are called _____.
- (a) sink nodes (b) source nodes
(c) message (d) None of the above
- (9) The _____ criteria specify when a test activity is started.
- (a) Entry (b) Exit
(c) Full (d) None of the above
- (10) A _____ is a communication that happens through the testing cycle when defects are encountered.
- (a) Test Incident Report (b) Test Cycle Report
(c) Test Summary Report (d) None of the above