

316314

25226

3 Hours / 70 Marks

Seat No.

--	--	--	--	--	--	--	--

-
- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answers with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Assume suitable data, if necessary.
(6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. **Attempt any FIVE of the following :** **10**
- a) Enlist objectives of software testing. (Any four)
 - b) Define.
 - i) Error
 - ii) Bug
 - c) Define unit testing with suitable example.
 - d) Define Test plan.
 - e) Enlist test Deliverables.
 - f) What is defect?
 - g) Write any two limitations of manual testing.

P.T.O.

- 2. Attempt any THREE of the following : 12**
- a) Explain load testing with two suitable examples.
 - b) Explain the need of staff training and resource requirement in test planning in software testing.
 - c) Explain defect life cycle with neat diagram.
 - d) What is software metric? Describe project metric.
- 3. Attempt any THREE of the following : 12**
- a) Differentiate between verification and validation. (Write any four points)
 - b) Explain performance testing with an example.
 - c) Describe test reporting. How to prepare test summary report?
 - d) Explain the criteria to select testing tools.
- 4. Attempt any THREE of the following : 12**
- a) Prepare and write test cases for simple calculator application.
 - b) Explain Regression Testing.
 - c) Write test plan for notepad application.
 - d) Describe defect classification
 - e) Explain selenium webdriver with it's two advantages and disadvantages each.

5. Attempt any TWO of the following : 12

- a) What is Black Box Testing? Also explain Boundary value Analysis with the help of suitable example.
- b) Explain Integration Testing. List its types. Explain bidirectional integration with neat diagram.
- c) Design test plan for login functionality of social media application. Also prepare test summary report.

6. Attempt any TWO of the following : 12

- a) What is security testing? List any two vulnerabilities in webapplications and how they can be mitigated.
 - b) Prepare defect report for library management system.
 - c) Describe components of selenium and the features of selenium IDE.
-