

Con. 2840-09.

Software Testing

VR-4323

(REVISED COURSE)

(3 Hours)

[Total Marks : 100**N.B. :** (1) Question No. 1 is **compulsory**.(2) Answer any **four** questions out of remaining **six** questions.

1. (a) Explain the Software Testing Life Cycle (STLC) with neat diagrams. **10**
- (b) Discuss the quality of a Software test process. **10**
Is QC sometimes acts as a feedback to QA ? Explain on what conditions.
What exactly does a software tester Do ?
2. (a) What different types of risks are associated with testing projects ? Explain **10**
how risks are prioritised ?
- (b) What is the work bench concept and how it is organized for software testing ? **10**
3. (a) (i) Explain test harness, test case, test scenario. **5**
(ii) Explain test strategy, test plan and quality plan. **5**
- (b) What are the factors while selecting a Software testing tool ? Explain. **10**
4. (a) Consider the following statements about early test design :— **5**
 - (i) early test design can prevent fault multiplication
 - (ii) faults found during early test design are more expensive to fix
 - (iii) early test design can find faults
 - (iv) early test design can cause changes to the requirements
 - (v) early test design normally takes more effort.
 - (1) i, iii & iv are true; ii & v are false
 - (2) iii & iv are true; i, ii & v are false
 - (3) i, iii, iv & v are true; ii is false
 - (4) i & ii are true; iii, iv & v are false

Explain your selection.

- (b) What is a Test Case ?
- 15**

Design a Test Case where the Test objective is: "To check whether the entered Username and the Password are valid or not".

5. (a) What is the benefit of Automation ? What testing should be automated ? 10
What testing should not be automated ?
- (b) What are the types of defects ? Explain defect tracking system. 10
6. (a) Explain Test Plan. Prepare Master Test Plan and Detailed Test Plan. 10
- (b) How does a client and server environment affect testing ? 10
How can a world wide web sites be tested ?
7. Write short notes on :— 20
- (a) Static and dynamic testing.
- (b) Software testing strategies.