

**XII. Practical Related Questions**

*Note: Below given are few sample questions for reference. Teacher must design more such questions so as to ensure the achievement of identified CO.*

*(Note: Use Point VIII to X and XIII to XV for all relevant practical exercise use blank pages provided or attach more pages if needed.)*

1. What are the Objectives of software testing?
2. How can we design the test cases from requirements?
3. Compare Static and Dynamic testing.

(Space for answers)

ANS 1

[OBJ OF S/W TESTING]

- FINDING DEFECTS
- VALIDATION & VERIFICATION
- FUNCTIONAL TESTING
- PERFORMANCE TESTING
- RELIABILITY
- QUALITY ASSURANCE
- SECURITY TESTING

ANS 2

- REQ. ANALYSIS
- IDENTIFY PROBLEM SCENARIO
- CREATE SITUATIONS
- DEFINE TEST CASE
- DEFINE TEST STRUCTURE

ANS 3

STATIC	DYNAMIC
CODE IS NOT EXECUTED	CODE IS EXECUTED
FIND DEFECTS EARLY	VALIDATE S/W

Name: A

Roll No

Practic

1)Des

REC



INCLUDES REVIEWS,  
INSPECTION, ETC.

INCLUDES FUNCTIONAL &  
INTEGRATION TESTING, ETC

### XIII. Exercise

Attempt Q1. and teacher shall allot Q. 2/Q.3 from the following:

(Note: Use Point VIII to X and XIII to XV for all relevant programming exercise use blank pages provided or attach more pages if needed.)

1. Identify the situation when to Start and Stop Software Testing.
2. Write the test case for a designed purchase order system.
3. In white box testing identify the parameters to verify?

ANS)

(Space for answers)

STARTS

- ① TESTING BEGINS AS SOON AS REQUIREMENTS ARE COLLECTED
- ② IN DEVELOPMENT, EACH BLOCK OF CODE IS TESTED
- ③ FURTHER, THESE BLOCKS ARE INTEGRATED FOR FURTHER TESTING
- ④ IN FUNCTIONAL TESTING, IT CHECKED WHETHER IT MEETS USER REQ. OR NOT

STOP

- ① AS SOON AS A TESTING DEFECT THRESHOLD IS REACHED.
- ② IF THE DEADLINES ARE APPROACHING.
- ③ THE STAKEHOLDERS ARE SATISFIED
- ④ WHEN A MAJOR RISK HAS BEEN DISCOVERED

NXT Pg