



**RP-003-004503**

Seat No. \_\_\_\_\_

**B. Sc. IT. (Sem. V) Examination**

**February - 2019**

**Software Testing & Project Management : CS - 27**

*(New Course)*

**Faculty Code : 003**

**Subject Code : 004503**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

1 Answer the following questions : 20

- (1) What is quality control ?
- (2) What is testing ?
- (3) What is Bug ?
- (4) Write down only name of CAD project management tool.
- (5) Give the full form of QTP.
- (6) What is shareware tools ?
- (7) Give any three Automated testing tools name.
- (8) What is UML ?
- (9) What is the extension of MS. Visio drawing file ?
- (10) What is SPLC ?
- (11) When object oriented technology is used ? Which model is best ?
- (12) What is Automated testing ?

- (13) What is quality assurance ?
- (14) Write any three names of SDLC models.
- (15) Give the brief introduction of stress testing.
- (16) What is “Walk through” in reference to static testing ?
- (17) What is Software failure ?
- (18) What is Dataflow diagram ?
- (19) Explain system and subsystem in brief.
- (20) Explain the process of “Inspection” in reference to testing.

**2** (a) Attempt any three : **6**

- (1) Explain Test Case.
- (2) Explain error and fault in brief.
- (3) Explain Quality of Service (QOS) in brief.
- (4) Explain any one tool for documenting procedure and decision.
- (5) What is System Testing ?
- (6) Explain Use Case Diagram with example.

(b) Attempt any three : **9**

- (1) Explain the difference between shareware and freeware.
- (2) Explain Test Suite.
- (3) What is Boundary Data Analysis ?
- (4) What is Grey Box Testing ?
- (5) Explain Rational Suite in reference to automated testing.
- (6) What is estimation of projects ? Explain with example.

- (c) Attempt any two : **10**
- (1) Explain any two automated testing tools.
  - (2) Explain timeline chart and Pert Chart with example.
  - (3) Explain V-model in detail.
  - (4) Explain white box testing in detail.
  - (5) Explain testing artifacts in detail.
- 3** (a) Attempt any three : **6**
- (1) What is COCOMO ? Explain with its importance.
  - (2) Explain Static Testing.
  - (3) Explain the concept of project management.
  - (4) What is Unit Testing ?
  - (5) What is Risk Management ?
  - (6) What is the role of Analyst ?
- (b) Attempt any three : **9**
- (1) Explain the difference between QA & QC.
  - (2) Explain Win Runner Testing tool.
  - (3) Explain Empirical Project Management technique.
  - (4) Explain Big Bang Model.
  - (5) Explain the importance and advantage of waterfall model.
  - (6) Explain Project Costing based on metrics.

(c) Attempt any two :

10

- (1) Write down the difference between static and dynamic testing.
  - (2) Explain each test levels in detail.
  - (3) Explain MS project and VISIO with its importance.
  - (4) Explain Non Functional Testing in detail.
  - (5) Explain Prototyping model and iterative model in detail.
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