PAR-003-004503    Seat No. _____

## B. Sc. (I.T.) (Sem. V) (CBCS) Examination

### October / November - 2018

## CS - 27 : Software Testing & Project Management

**Faculty Code : 003**
**Subject Code : 004503**

Time : $2\frac{1}{2}$ Hours]                                    [Total Marks : **70**

**1**   Attempt the following :                                    **20**

(1)   What is Fault?

(2)   What is Failure?

(3)   Give full form of QTP.

(4)   What is Error?

(5)   Give Defination of Varification.

(6)   What is Test Suite?

(7)   Give Defination of Validation.

(8)   PERT Stand for _____.

(9)   FP Stands for _____.

(10)  Give One Word Meaning of Defect.

(11)  What is Test Plan?

(12)  List out types of Software Testing.

(13)  TSL Stands for _____.

(14)  What is Test Case?

(15)  Give one word Meaning of Inspection.

(16)  What is Bug?

(17)  Give full form of QA. _____.

(18)  UML stand for _____.

(19)  What is Quality Control?

(20)  Time Line Chart also known as _____.

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

    (1) Give Difference between Static and Dynamic Testing.

    (2) Explain Integration Testing and Unit Testing.

    (3) Explain Prototyping Model.

    (4) List out Techniques of Software Testing.

    (5) Explain LOC Based Estimation and FP Based Estimation.

    (6) Explain COCOMO Model.

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

    (1) Give difference between QA and QC.

    (2) Explain Algorithmic Method.

    (3) List and -explain Decomposition Techniques.

    (4) List out various reasons for Software Failures.

    (5) Explain Big Bang Model with Advantages.

    (6) Explain Activity Diagram in brief.

  (c) Attempt any **two** :                                                  **10**

    (1) Explain Black Box, white Box and Grey Box Testing.

    (2) Explain Waterfall Model.

    (3) Explain Freeware, Shareware and License Tool.

    (4) Explain V-Model.

    (5) Explain LoadRunner and WinRunner.

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

    (1) Explain Spiral Model.

    (2) List out and explain any four activities of QA.

    (3) Explain Automated Testing and Manual Testing.

    (4) Explain Iterative Model.

    (5) Briefly explain Effort Estimation Techniques.

    (6) Explain Monitoring and Controlling the Project.

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

    (1) Explain Problem Based and Process Based Estimation.

    (2) Explain Project Cost Estimation.

    (3) Explain Time Line chart.

    (4) Explain MS-VISIO with its features.

    (5) What is UML?Explain in Brief.

    (6) Explain Security Testing and Usability Testing.


(c) Attempt any **two** :                                                      10

    (1) Explain 4 P's Concept for the Project Management.

    (2) Explain Project Scheduling and Tracking.

    (3) Explain PERT Chart.

    (4) What is Non - Functional Testing ? Explain in Detail.

    (5) Explain Class Diagram.

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