MCR-003-004503 Seat No. _____

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

May / June - 2018

CS - 27 : Software Testing & Project Management

Faculty Code : 003

Subject Code : 004503

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

1 Answer the following questions : **20**

(1) Give definition of verification.

(2) Give definition of validation.

(3) What is walkthrough ?

(4) What is QC ?

(5) What is QA ?

(6) What is Test Harness ?

(7) What is Test Plan ?

(8) What is project Estimation ?

(9) What is Inspection ?

(10) Give definition of test script.

(11) What is Error ?

(12) What is Test Suite ?

(13) What is bug ?

(14) What is fault ?

(15) UML stands for

(16) CPM Stands for

(17) LOC Stands for

(18) A toy implementation of the system is known as

(19) How many stage involves in winrunner Testing Process.

(20) What is authentication ?

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

(1) What are QA activities ?

(2) What is dynamic testing ?

(3) Explain Integration testing and unit testing.

(4) What is Acceptance Testing?

(5) What is QTP ?

(6) What is unit testing ?

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

(1) Explain Project Cost Estimation.

(2) List and Explain Decomposition Techniques.

(3) Explain Waterfall Model.

(4) Explain V-model.

(5) Explain Spiral Model.

(6) Explain COCOMO Model.

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

(1) Explain LOC and FP.

(2) Explain Black Box, white Box and Gray Box Testing.

(3) What is Non-Functional Testing? Explain in detail ?

(4) Explain UML Diagram.

(5) Explain MS VISIO for Designing Documentation Tool.

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

(1) Explain Iterative Model.

(2) What is Automated Testing ?

(3) Explain Pert Chart.

(4) What are software Faults and Failures ?

(5) Explain Statement converge.

(6) What is Effort Estimation Techniques.

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

(1) Explain Decomposition Technique.

(2) Explain Relational Suite.

(3) Explain Problem based and process based Estimation.

(4) Explain project scheduling and tracking.

(5) Explain Time Line Chart.

(6) Explain Testing Tools.

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

(1) Explain use case Diagram and Class Diagram of UML.

(2) Explain V-Model.

(3) Explain Empirical Project Estimation Technique.

(4) Explain Algorithmic Methods.

(5) Explain 4 P's Concept for the project management.
