DCC-003-004503 Seat No. _____

B. Sc. (IT) (Sem. - V) (CBCS) Examination

April / May – 2015

CS - 27 : Software Testing &Project Management

Faculty Code : 003
Subject Code : 004503

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

1 MCQ **20**

(1) UMLstands for _____.

(a) Universal Modify Language

(b) Universal Modified Language

(c) Unified Modeling Language

(d) Unified Mode Language

(2) The most Common term for a collection of test cases is a _____.

(a) Test Plan (b) Test Suit

(c) Test Harness (d) Test Case

(3) CPM stands for _____

(a) Critical Path Method

(b) Criticize Path Method

(c) Critical Payment Method

(d) Criticize Payment Method

(4) _____ means collecting, recording and reporting information concept with project performance.

(a) Monitoring (b) Controlling

(c) Both (d) None of these

(5) Spiral Model involves _____ quadrant.

(a) 1 (b) 2

(c) 3 (d) 4

(6) Project Monitoring is similar to _____

(a) Project Tracking (b) Project Testing

(c) Project Tracing (d) Project Tapping

(7) _____ phase in SDLC is an on-going phase.

(a) Maintenance (b) Performance

(c) Feasibility Study (d) Design

(8) _____ is NOT a type of testing artifacts.

(a) Test Case (b) Test Survey

(c) Test Plan (d) None of these

(9) _____ is the type of static testing.

(a) Walking (b) Walkthrough

(c) Sleeping (d) None of these

(10) _____ is software of software testing.

(a) QRS (b) QTP

(c) QQR (d) QWR

(11) LOC means _____

(a) Line of Conduct (b) Line of Code

(c) Lost of Code (d) None of these

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

(a) Daemon (b) Terminal

(c) Simulator (d) Prototype

(13) _____ is not the phase of SDLC

(a) Coding (b) Designing

(c) Performance (d) None of these

(14) Expletory programming style is an

(a) Activity (b) Busyness

(c) Craft (d) Art

(15) Software Development Plan provides _____ view

(a) Quality (b) Assurance

(c) Development (d) None of these

(16) How many stages involves in Winrunner Testing Process

(a) 5 (b) 6

(c) 7 (d) 8

(17) Combination of Black box & white box testing is known as _____

(a) Gray Box Testing (b) Gray White Testing

(c) Static Testing (d) None of these

(18) Technical review is a part of _____ testing

(a) Test Plan Testing (b) Static Testing

(c) Both (a) and (b) (d) Dynamic Testing

(19) Usability testing is _____ type of testing method

(a) Functional (b) Non - Functional

(c) Fundamental (d) Non -Fundamental

(20) Equivalence Partitioning is the part of _____ testing

(a) Black Box

(b) White Box

(c) Black & White Box

(d) Gray Box Testing

2 (A) Attempt **Any Three** **6**

(1) What are QA activities?

(2) Differentiate: QA v/s QC

(3) Differentiate: Static Testing v/s Dynamic Testing

(4) What is QTP?

(5) What are Unit Testing and System Testing?

(6) What are Test Harness and Test Suite?

(B) Attempt **Any Three** **9**

(1) Explain Waterfall model.

(2) Explain V-model.

(3) Explain Spiral model.

(4) Explain Prototype model.

(5) Explain basic principles of project scheduling.

(6) Write a note on freeware.

(C) Attempt **Any Two** **10**

(1) Explain MS VISIO for Designing Documentation Tool.

(2) Explain LOC and FP.

(3) Explain UML Diagram.

(4) Differentiate: Black Box Testing v/s White Box Testing.

(5) Explain SDLC.

3 (A) Attempt **Any Three** **6**

(1) Explain Pert Chart.

(2) What are Software Faults and Failures?

(3) Explain statement converge

(4) Explain State Transition Testing

(5) Explain Type of Non-Functional Testing

(6) Explain types of Static Testing

(B) Attempt **Any Three** **9**

(1) Explain Decomposition Technique.

(2) Explain Testing Tools.

(3) Explain Relational Suite.

(4) Explain Interactive Model.

(5) Explain Project Cost Estimation.

(6) Write a note on Task Network and Scheduling

(C) Attempt **Any Two** **10**

(1) Explain Empirical Project Estimation Technique.

(2) Explain Algorithmic Methods.

(3) Explain Project and Process Matrix.

(4) Explain Time Line chart.

(5) Explain Use Case Diagram and Class Diagram.
