MAS-003-003308   Seat No. _____

B. C. A. (Sem. III) (CBCS) Examination

October / November – 2016

CS-13 : SAD, Software Quality Assurance & Testing

Faculty Code : 003
Subject Code : 003308

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

1   Give answer of following questions :   **20**

   (1)   Give definition of system.

   (2)   Give definition : Information System .

   (3)   Give definition : Business System .

   (4)   Give definition : subsystem .

   (5)   Give definition of quality control.

   (6)   Give definition of black box testing.

   (7)   Give definition of white box testing.

   (8)   Give definition of gray box testing.

   (9)   Give definition of bug.

   (10) Give definition of fault.

   (11) Give name of testing artifacts.

   (12) Give definition : quality assurance.

   (13) What is security testing ?

   (14) Definition of boundary data analysis.

   (15) Definition of state transaction testing.

   (16) Full Form : DFD, UML

   (17) Full Form : SDLC, QTP

   (18) Definition of PERT chart.

   (19) Definition of timeline chart.

   (20) Definition of class diagram.

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

          (1)   Explain Role of Information Analyst..

          (2)   Explain Role of System Designer.

          (3)   Explain Role of Programmer.

          (4)   Give definition of : Bug, Error

          (5)   Give definition of : Defect, Fault

          (6)   Explain characteristics of a system

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

          (1)   Explain types of data dictionary.

          (2)   What is software engineering ?

          (3)   What is preliminary investigation ?

          (4)   What is technical feasibility ?

          (5)   What is operational feasibility ?

          (6)   What is economical feasibility ?

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

          (1)   Explain Fact Finding Techniques in detail.

          (2)   Explain DFD in detail.

          (3)   Explain tools for documenting procedure and decisions.

          (4)   Explain decision tree and decision table.

          (5)   Write short note on WinRunner

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

          (1)   Explain Software quality control.

          (2)   Difference between quality assurance and quality

          (3)   Explain test case and test script

          (4)   Explain test harness, test suit and test plan

          (5)   Explain equivalence partitioning in black box testing.

          (6)   Explain decision table testing in black box.

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

    (1) Explain acceptance testing.

    (2) Explain unit testing

    (3) Explain integration testing.

    (4) Explain waterfall model.

    (5) Explain Load runner features and benefits.

    (6) Explain use case diagram

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

    (1) Write short note on Ms Project.

    (2) Write short note on Ms Visio.

    (3) Write short note on Effort estimation techniques.

    (4) Explain iterative model.

    (5) Explain prototyping model

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