



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 :

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- (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

