



**HCU-003-003308** Seat No. \_\_\_\_\_

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

October / November – 2017

**CS-13 : SAD Software Quality Assurance & Testing**  
(Old Course)

**Faculty Code : 003**

**Subject Code : 003308**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- Instructions :**
- (1) There are 3 Questions.
  - (2) All are compulsory.
  - (3) Give answer of all questions in main answer sheet.
  - (4) Mention your options clearly.

**1 Attempt the following : 20**

- (1) What is security testing ?
- (2) Define Logic bug.
- (3) Define: Business System.
- (4) Definition of White box testing.
- (5) Definition of Black box testing.
- (6) Full Form: DFD, UML.
- (7) Definition of PERT Chart.
- (8) Definition of bug.
- (9) Define Freeware and Shareware tool.

- (10) Define: System.
- (11) Give the name of testing artifacts.
- (12) Full Name: COCOMO.
- (13) Definition of gray box testing.
- (14) Definition of QA.
- (15) Define : Information System.
- (16) Definition of state transaction testing.
- (17) Definition of fault.
- (18) Definition of quality control.
- (19) Full Name : DSS.
- (20) Type of feasibility study.

**2** Attempt the following :

- (a) Write any three out of six : **6**
  - (i) Explain Static testing.
  - (ii) Explain Authorization and Authentication.
  - (iii) Define Defect, Effort.
  - (iv) Give Quality Assurance Activities.
  - (v) Explain Risk Management.
  - (vi) Write note on MS Visio.
  
- (b) Write any **three** out of six : **9**
  - (i) What is preliminary investigation?
  - (ii) What is technical feasibility?

- (iii) Explain type of Data Dictionary.
- (iv) Explain PERT Chart.
- (v) Explain Tools for Analysts.
- (vi) Explain questionnaire. When it is used?

(c) Write any **two** out of five : **10**

- (i) Explain Project Management tools.
- (ii) Explain different Graphical Representing tools.
- (iii) Explain Win Runner.
- (iv) Functional testing v/s Non functional testing.
- (v) What is UML? Explain Use case Diagram.

**3** Attempt the following :

(a) Write any three out of six: **6**

- (i) Explain software quality control.
- (ii) Explain test case and test script.
- (iii) Explain activity diagrams.
- (iv) What is software engineering?
- (v) What is class Diagrams?
- (vi) Explain Test Harness.

(b) Write any three out of six : **9**

- (i) What is economical feasibility ?
- (ii) Explain acceptance testing.
- (iii) Difference between white box and black box testing.

- (iv) Explain usage of Load Runner.
- (v) Explain Role of System Analyst?
- (vi) What is DRE? Explain.

(c) Write any two out of five : **10**

- (i) Write a note on MS Project.
  - (ii) Explain proto typing model.
  - (iii) Explain iterative model.
  - (iv) COCOMO Model.
  - (v) Explain Gantt chart.
-