



**DBW-003-1022001**

Seat No. \_\_\_\_\_

**P. G. D. C. A. (Sem. II) (CBCS) Examination**

**July - 2022**

**CS-07 : SAD, Software Quality Assurance & Testing**

**Faculty Code : 003**

**Subject Code : 1022001**

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

[Total Marks : 70

- 1 (a) Objective type questions : **04**
- (1) SDLC stands for \_\_\_\_\_.
  - (2) DFD stands for \_\_\_\_.
  - (3) Decision Table is suitable for making complex decisions. (True/False)
  - (4) Subsystem means \_\_\_\_.
- (b) Answer in brief (Any One) **02**
- (1) Briefly explain Role of system Analyst.
  - (2) Explain Decision Tree.
- (c) Answer in detail (Any One) **03**
- (1) Explain Fact Finding Techniques in detail.
  - (2) Explain Data Dictionary.
- (d) Write a note on (Any One) **05**
- (1) What is SDLC ? Explain in detail.
  - (2) Write a note on DFD.
- 2 (a) Objective Type questions : **04**
- (1) \_\_\_\_\_ Testing is also known as Glass Box testing.
  - (2) What is Bug ?
  - (3) \_\_\_\_\_ is the strong verification process which is done by the developer.
  - (4) What is Fault ?

- (b) Answer in brief (Any One) **02**
- (1) Briefly Explain Software Testing.
  - (2) Explain Advantages and Disadvantages of Grey Box.
- (c) Answer in detail (Any One) **03**
- (1) Explain Software Testing Artifacts.
  - (2) Explain Dynamic Testing.
- (d) Write a note on (Any One) **05**
- (1) Give the difference between White box testing and Black box testing.
  - (2) Write a note on Non-Functional Testing.
- 3** (a) Objective Type questions : **04**
- (1) QTP stands for \_\_\_\_\_.
  - (2) Give other name of waterfall model.
  - (3) \_\_\_\_\_ is authenticate permission to access any software.
  - (4) Rational Test suit was developed by \_\_\_\_\_.
- (b) Answer in brief (Any One) **02**
- (1) Briefly explain Waterfall Model.
  - (2) Explain Prototype Model.
- (c) Answer in detail : (any One) **03**
- (1) Explain Spiral Model.
  - (2) Explain Bigbang Model.
- (d) Write a note on (Any One) **05**
- (1) Write note on Freeware, Shareware and License tools.
  - (2) Write note on Win runner, Load runner, Rational Test suit.

- 4 (a) Objective type questions : **04**
- (1) PERT stands for \_\_\_\_\_.
  - (2) FP stands for \_\_\_\_\_.
  - (3) LOC stands for \_\_\_\_\_.
  - (4) COCOMO stands for \_\_\_\_\_.
- (b) Answer in brief (Any One) **02**
- (1) Briefly Explain Project Estimation.
  - (2) Explain Time Line chart.
- (c) Answer in detail : (Any One) **03**
- (1) Explain Project Management.
  - (2) Write a note on Graphical Reporting Tools.
- (d) Write a note on (Any One) **05**
- (1) Explain decomposition technique in detail.
  - (2) Explain Effort Estimation Technique.
- 5 (a) Objective type questions : **04**
- (1) QA stands for \_\_\_\_.
  - (2) QC stands for \_\_\_\_.
  - (3) CAD stands for \_\_\_\_.
  - (4) UML stands for \_\_\_\_.
- (b) Answer in briefly : (Any 1 out of 2) **02**
- (1) Briefly explain Quality Assurance Activities.
  - (2) Give difference between QA and QC.
- (c) Answer in detail (Any One) **03**
- (1) Explain Use Case Diagram.
  - (2) Explain UML with features.
- (d) Write a note on Any One. **05**
- (1) Explain MS-VISIO.
  - (2) Explain MS - Project for controlling and project management.