



**BBF-003-1022001** Seat No. \_\_\_\_\_

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

**July - 2021**

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

**Faculty Code : 003**

**Subject Code : 1022001**

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

[Total Marks : 70

**Instruction** : Give answers of any 5 questions from given  
10 questions.

- 1 (A) Attempt the following : 4  
(1) How many fact finding techniques are there?  
(2) List out symbols of DFD.  
(3) DFD stands for \_\_\_\_\_  
(4) Which system is used to full fill the business goals?
- (B) Attempt the following : 2  
(1) What is system and sub system?
- (C) Attempt the following : 3  
(1) What is feasibility study?
- (D) Attempt the following : 5  
(1) Explain SDLC.
- 2 (A) Attempt the following : 4  
(1) Zero level DFD is also known as \_\_\_\_\_  
(2) Give the full form of SRS.  
(3) SDLC stands for \_\_\_\_\_  
(4) Preliminary investigation include three parts like \_\_\_\_\_
- (B) Attempt the following : 2  
(1) Explain system analyst.
- (C) Attempt the following : 3  
(1) Explain decision table in detail.

- (D) Attempt the following : 5  
 (1) Explain decision tree with example.
- 3 (A) Attempt the following : 4  
 (1) Non-Functional testing is used to test the software for performance, usability, reliability etc. TRUE or FALSE?  
 (2) \_\_\_\_\_ is one type of investigation process for any product whether it is as per specification or not.  
 (3) A collection of test cases is \_\_\_\_\_  
 (4) Give the full form of SUT.
- (B) Attempt the following : 2  
 (1) Define test case and test script in brief.
- (C) Attempt the following : 3  
 (1) Explain Nonfunctional testing.
- (D) Attempt the following : 5  
 (1) Explain white box testing and black box testing.
- 4 (A) Attempt the following : 4  
 (1) \_\_\_\_\_ testing is a software testing technique to test a software product or application with partial knowledge of internal structure or the application.  
 (2) \_\_\_\_\_ testing is help you to understand the upper limits of a system's capacity using a load beyond the expected maximum.  
 (3) \_\_\_\_\_ is performed at the time of delivery or installation of the product.  
 (4) Beta testing comes after alpha testing. TRUE or FALSE.
- (B) Attempt the following : 2  
 (1) What is bug and error?
- (C) Attempt the following : 3  
 (1) Discuss: test plan & test harness.
- (D) Attempt the following : 5  
 (1) Explain static testing and dynamic testing.
- 5 (A) Attempt the following : 4  
 (1) \_\_\_\_\_ model is sequential software development process.  
 (2) Waterfall model is also known as \_\_\_\_\_

- (3) Give the name of different ways which are used to adopt the new system
- (4) \_\_\_\_\_ is usually offered as a trial version and certain features available after the license is purchased.
- (B) Attempt the following : 2  
 (1) Explain waterfall model in brief.
- (C) Attempt the following : 3  
 (1) Give the advantages and dis advantages of big bang model.
- (D) Attempt the following : 5  
 (1) Write a note on QTP
- 6** (A) Attempt the following : 4  
 (1) \_\_\_\_\_ model is extension of waterfall model.  
 (2) SDM stands for \_\_\_\_\_  
 (3) \_\_\_\_\_ software is available at zero price.  
 (4) EULA stands for \_\_\_\_\_
- (B) Attempt the following : 2  
 (1) Write a note on rational suite.
- (C) Attempt the following : 3  
 (1) Explain load runner in detail.
- (D) Attempt the following : 5  
 (1) Explain Freeware, Shareware and licensed tools.
- 7** (A) Attempt the following : 4  
 (1) Project management 4p include \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_  
 (2) PERT stands for \_\_\_\_\_  
 (3) Give the full form of COCOMO  
 (4) FP stands for \_\_\_\_\_
- (B) Attempt the following : 2  
 (1) What is scheduling?
- (C) Attempt the following : 3  
 (1) What is project management?
- (D) Attempt the following : 5  
 (1) Explain timeline, chart with diagram.

- 8 (A) Attempt the following : 4  
 (1) LOC stands for \_\_\_\_\_  
 (2) Software equation is a dynamic multivariable models. TRUE or FALSE.  
 (3) Problem decomposition, sometimes called \_\_\_\_\_  
 (4) Estimation variables are \_\_\_\_\_ or \_\_\_\_\_
- (B) Attempt the following : 2  
 (1) Explain project monitoring
- (C) Attempt the following : 3  
 (1) Explain PERT chart.
- (D) Attempt the following : 5  
 (1) Write a note on COCOMO model.
- 9 (A) Attempt the following : 4  
 (1) Give the full form of QA.  
 (2) \_\_\_\_\_ is the extension of MS-PROJECT file.  
 (3) Give the full form of CAD.  
 (4) Which diagram is mainly focus on object oriented analysis and design?
- (B) Attempt the following : 2  
 (1) Explain UML.
- (C) Attempt the following : 3  
 (1) Explain MS-VISIO.
- (D) Attempt the following : 5  
 (1) Write a note on Use Case diagram.
- 10 (A) Attempt the following : 4  
 (1) Give the full form of UML  
 (2) List CAD project management tolls.  
 (3) Give the full form of QC.  
 (4) In which diagram the term "Actor" is used?
- (B) Attempt the following : 2  
 (1) Explain class diagram in brief.
- (C) Attempt the following : 3  
 (1) Explain MS-PROJECT in detail.
- (D) Attempt the following : 5  
 (1) Give difference between QA and QC