



**DCT-003-2033001**

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

**BCA (Sem. III) (CBCS) (W.E.F. 2019) Examination**

**August - 2022**

**Software Quality Assurance and Testing : CS-13**

**Faculty Code : 003**

**Subject Code : 2033001**

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

[Total Marks : 70

**Instruction :** This is general type question paper. Give answers any FIVE out of TEN.]

- 1 (a) Attempt the following. 4  
(1) Give full form of SDLC.  
(2) Give full form of DFD.  
(3) What is business system?  
(4) What is context diagram?
- (b) Answer in brief. any one) 2  
(1) Describe decision tree.  
(2) Describe information analyst.
- (d) Answer in detail. (any one) 3  
(1) Explain QA.  
(2) Explain role of system analyst.
- (d) Attempt the following. (any one) 5  
(1) Write a note on SDLC.  
(2) Give the difference : QA v/s QC
- 2 (a) Attempt the following. 4  
(1) What is decision table?  
(2) Give full form of DFD.  
(3) What is record review?  
(4) What is data dictionary?
- (b) Answer in brief. (any one). 2  
(1) Describe decision tree.  
(2) Describe QA.
- (d) Answer in detail. [Any One] 3  
(1) Explain quality assurance activity.  
(2) Explain QC.
- (d) Attempt the following. (any one] 5  
(1) Write a note on SDLC.  
(2) Explain fact finding technique.

- 3 (a) Attempt the following. 4
- (1) The hardware or software component is the reason to cause error is known as....
  - (2) What is error?
  - (3) A \_\_\_\_\_ is any other the unfound error after released application or may be in beta release.
  - (4) What is test case?
- (b) Answer in brief. (any one) 2
- (1) Describe test plan.
  - (2) Describe stress testing.
- (c) Answer in detail. (any one) 3
- (1) Explain Load testing.
  - (2) Explain advantages and disadvantages of Gray box testing.
- (d) Attempt the following. (any one) 5
- (1) Write a note on dynamic testing.
  - (2) Write a note on non-functional testing.
- 4 (a) Attempt the following. 4
- (1) What is bug?
  - (2) What is error?
  - (3) What is walk through?
  - (4) What is test case?
- (b) Answer in brief. (any one) 2
- [1] Describe information review.
  - [2] Describe stress testing.
- (c) Answer in detail. (any one) 3
- (1) Explain unit testing and system testing.
  - (2) Explain advantages and disadvantages of Gray box testing.
- (d) Attempt the following. (any one) 5
- (1) Write a note on black box testing.
  - (2) Write a note on Gray box testing.
- 5 (a) Attempt the following. 4
- (1) What is free ware?
  - (2) What is share ware?
  - (3) What is win runner?
  - (4) What is QTP?
- (b) Answer in brief. (any one) 2
- (1) Describe load runner.
  - (2) Describe rational suite.

- (c) Answer in detail. (any one) **3**  
 (1) Explain Prototype model.  
 (2) Explain advantages of QTP.
- (d) Attempt the following. (any one) **5**  
 (1) Write a note on V-Model.  
 (2) Write a note on iterative model.
- 6** (a) Attempt the following. **4**  
 (1) The waterfall model is the simplest model of SDIC.  
 [True/False]  
 (2) The spiral model was proposed by\_\_\_\_\_.  
 (3) You can view the load Runner script \_\_\_\_\_in  
 \_\_\_\_\_ and  
 (4) What is QTP?
- (b) Answer in brief. (any one) **2**  
 (1) What is load runner?  
 (2) Describe rational suite.
- (c) Answer in detail. (any one) **3**  
 (1) Explain Prototype model.  
 (2) Explain big gang model.
- (d) Attempt the following. [any one] **5**  
 (1) Write a note on V-model.  
 (2) Write a note on iterative model.
- 7** (1) Attempt the following. **4**  
 (1) Give full form of COCOMO.  
 (2) What is empirical technique?  
 (3) Basic, intermediate and details are levels of  
 model.  
 (4) Sub-contracting is advantages, if it reduce the  
 completely & manageable. [True/False]
- (b) Answer in brief. (any one) **2**  
 (1) Define concept of project management.  
 (2) Describe decomposition technique.
- (c) Answer in detail. (any one) **3**  
 (1) Explain timeline chart.  
 (2) Explain PERT chart.
- (c) Attempt the following. (any one) **5**  
 (1) Write a note on effort estimation technique.  
 (2) Write a note on graphics reporting tools.
- 8** (a) Attempt the following. **4**  
 (1) Give full form of COCOMO.  
 (2) Marketing is a part of the Project Management.  
 [True/False]

- (3) Basic, intermediate and details are levels of \_\_\_\_\_ model.
- (4) The COCOMO is an empirical technique. [True/False]
- (b) Answer in brief. (any one) **2**
- (1) Define Time Line chart.
- (2) Describe decomposition technique.
- (c) Answer in detail. (any one) **3**
- (1) Explain concept of project management.
- (2) Explain PERT chart.
- (d) Attempt the following. (any one) **5**
- (1) Write a note on SLIM.
- (2) Write a note on automated estimation tools.
- 9** (a) Attempt the following. **4**
- (1) CAD stand for.....
- (2) UML stand for....
- (3) What is MS-Visio?
- (4) The .vsd is an extension of \_\_\_\_\_.
- (b) Answer in brief. (any one) **2**
- (1) Define rules of UML,
- (2) What is use case diagram?
- (c) Answer in detail. (any one) **3**
- (1) Explain class diagram.
- (2) Write to steps of drawing flow chart in MS-Visio.
- (d) Attempt the following. (any one) **5**
- (1) Write a note on MS-Project.
- (2) Write a note on Activity diagram.
- 10** (a) Attempt the following. **4**
- (1) The CAD may be used for 2D and 3D design curves and figure. [True/False]
- (2) UML stand for....
- (3) What is MS-Visio?
- (4) The view that exhibits the network diagram is the task sheet in MS Project. [True/False].
- (b) Answer in brief. (any one) **2**
- (1) Define rules of UML.
- (2) Define use case diagram.
- (c) Answer in detail. (any one) **3**
- (1) Explain MS-Project.
- (2) Write to steps of drawing flow chart in MS-Visio.
- (d) Attempt the following. (any one) **5**
- (1) Write a note on class diagram.
- (2) Write a note on MS-Visio.