



Seat No. _____

HQ-003-3032004

B. C. A. (Sem. II) (CBCS) Examination

April - 2023

SAD, Software Quality Assurance and Testing : CS-10

Faculty Code : 003

Subject Code : 3032004

Time : 2:30 / Total Marks : 70

- 1** (a) Answer following : **4**
- (1) Give full form : SDLC.
 - (2) Give full form : DFD.
 - (3) What is System ?
 - (4) What is business system ?
- (b) Answer following : (any 1) **2**
- (1) What is information system ?
 - (2) Explain QC.
- (c) Answer following : (any 1) **3**
- (1) Explain record review and observation technique.
 - (2) Explain 2nd level of DFD.
- (d) Answer following (any 1) **5**
- (1) Explain SDLC in detail.
 - (2) Explain decision table in detail.
- 2** (a) Answer following : **4**
- (1) What is bug ?
 - (2) What is error ?
 - (3) What is stress testing ?
 - (4) What is informal review?

- (b) Answer following : (any one) 2
 (1) What is static testing ?
 (2) List out the testing levels.
- (c) Answer following : (any one) 3
 (1) Explain test harness.
 (2) Explain test suite.
- (d) Answer following : (any one) 5
 (1) Explain black box testing in detail.
 (2) Explain test script and test case in detail.
- 3** (a) Answer following : 4
 (1) Give full form QTP.
 (2) Give full form SDM.
 (3) What is software piracy ?
 (4) What is rational suite ?
- (b) Answer the following : (any one) 2
 (1) What is shareware ?
 (2) What is freeware ?
- (c) Answer following : (any one) 3
 (1) Explain big bang model
 (2) Explain win-runner.
- (d) Answer following : (any one) 5
 (1) Explain V model in detail.
 (2) Explain prototyping model in detail.
- 4** (a) Answer following : 4
 (1) COCOMO full form is _____
 (2) Give the full form of 4 P's related to project planning.
 (3) Full form of PERT is _____
 (4) Gantt chart is also known as _____ chart.
- (b) Answer following : (any one) 2
 (1) Explain LOC.
 (2) Explain Delphi Cost Estimation.

- (c) Answer following : (any one) 3
- (1) Explain organic, semi-detached mode and embedded mode of software.
 - (2) Explain the characteristics of automated estimation tools.
- (d) Answer following : 5
- (1) Explain project costing based on metrics.
 - (2) Explain types of COCOMO models.
- 5** (a) Answer following : 4
- (1) CAD stands for _____
 - (2) What is an extension of Visio drawing file ?
 - (3) Class diagram is used to represent _____.
 - (4) Actor is used in _____ diagrams.
- (b) Answer following : (any 1) 2
- (1) What is UML ?
 - (2) What is MS-Visio ?
- (c) Answer following : (any one) 3
- (1) Draw an activity diagram for college management system.
 - (2) Explain class diagram.
- (d) Answer following : (any one) 5
- (1) How to create a timeline in Microsoft Project ?
 - (2) Explain use case diagram in detail.
-