



Seat No. _____

HQ-003-3042004

B. Sc. (IT) (Sem. II) (CBCS) (W.E.F.-2022) Examination

April - 2023

SAD, Software Quality Assurance and Testing

00159

Faculty Code : 003

Subject Code : 3042004

Time : $2\frac{1}{2}$ Hours / Total Marks : **70**

- 1 (a) Objective type questions : 4
- (1) What is System ?
 - (2) Give full form of QC.
 - (3) Give full form of SDLC.
 - (4) Give full form of DFD.
- (b) Answer in brief : (any 1 out of 2) 2
- (1) What is subsystem ?
 - (2) What is QA ?
- (c) Answer in detail : (any 1 out of 2) 3
- (1) Explain Role of Systems Analyst.
 - (2) Explain Data Flow Analysis Tool.
- (d) Write a note on : (any 1 out of two) 5
- (1) Explain SDLC with diagram.
 - (2) Explain QA activities.
- 2 (a) Objective type questions : 4
- (1) What is Bug ?
 - (2) What is Unit Testing ?
 - (3) What is Error ?
 - (4) What is Test Suite ?

- (b) Answer in brief : (any 1 out of 2) 2
 (1) What is Test Script ?
 (2) What is Static Testing ?
- (c) Answer in detail : (any 1 out of 2) 3
 (1) Explain Integration Testing.
 (2) Explain Load Testing.
- (d) Write a note on : (any 1 out of 2) 5
 (1) Explain Dynamic Testing in detail.
 (2) Explain White Box Testing and Black Box Testing.
- 3 (a) Objective type questions : 4
 (1) Give full form QTP.
 (2) What is Load Runner ?
 (3) What is Shareware ?
 (4) What is Iterative Model ?
- (b) Answer in brief : (any 1 out of 2) 2
 (1) What is Automated Testing ?
 (2) What is Win runner ?
- (c) Answer in detail : (any 1 out of 2) 3
 (1) Explain Waterfall Model.
 (2) Explain V-Model.
- (d) Write a note on : (any 1 out of 2) 5
 (1) Explain Spiral Model.
 (2) Explain Big Bang Model.
- 4 (a) Objective type questions : 4
 (1) What is Chart ?
 (2) What is Pert Chart ?
 (3) What is Project Management ?
 (4) What is Decomposition Technique ?

- (b) Answer in brief : (any 1 out of 2) 2
(1) What is Effort Estimation Techniques ?
(2) What is use of Time Line Chart ?
- (c) Answer in detail : (any 1 out of 2) 3
(1) Explain project costing based on metrics.
(2) Explain algorithmic methods.
- (d) Write a note on : (any 1 out of 2) 5
(1) Explain graphical Reporting Tools.
(2) Explain monitoring and control progress,
- 5 (a) Objective type questions : 4
(1) Give full form of UML.
(2) Give full form of CAD.
(3) What is extension for Visio Drawing file ?
(4) What is MS-Visio ?
- (b) Answer in brief : (any 1 out of 2) 2
(1) List types of Diagrams.
(2) What is MS-Project ?
- (c) Answer in detail : (any 1 out of 2) 3
(1) Explain Class diagram.
(2) Explain Use Case Diagram.
- (d) Write a note on : (any 1 out of 2) 5
(1) Write steps to draw flow chart in MS Visio.
(2) Explain Activity diagram.