



Seat No. _____

FM-003-2033001
B. C. A. (Sem. III) (CBCS) (W.E.F. 2019)
Examination
November - 2022
CS-13 : SAD, Software Quality
Assurance & Testing

03340



Faculty Code : 003
Subject Code : 2033001

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

- 1 (a) Objective type questions: 4
- (1) SDLC stands for
 - (2) What is Software Quality Assurance?
 - (3) DFD stands for
 - (4) What is data dictionary?
- (b) Attempt any one out of two : 2
- (1) Give difference between Quality Assurance and Quality.
 - (2) Explain role of System analyst.
- (c) Attempt any one out of two : 3
- (1) Explain characteristics of system.
 - (2) Write a note on Fact Finding Techniques.
- (d) Attempt any one out of two : 5
- (1) What is system? Explain SDLC in detail.
 - (2) What is decision table? Explain with its types.
- 2 (a) Objective type questions: 4
- (1) What is Software testing?
 - (2) Define bug and fault.
 - (3) Module interdependencies tested in _____ testing.
 - (4) Communication error can be found in _____ testing.

- (b) Attempt any one out of two : 4
 (1) What is Software fault and failure?
 (2) Explain static testing.
- (c) Attempt any one out of two : 3
 (1) What is error? Explain types of errors.
 (2) Explain level of testing.
- (d) Attempt any one out of two : 5
 (1) What is software testing? Explain testing artifacts in detail.
 (2) List out techniques of software testing and explain Black box testing in detail.
- 3 (a) Objective type questions: 4
 (1) Waterfall model is also known as _____
 (2) QTP stands for _____
 (3) V model is also known as _____
 (4) What is software piracy?
- (b) Attempt any one out of two : 2
 (1) Write a note on software release agreement.
 (2) Explain waterfall model.
- (c) Attempt any one out of two : 3
 (1) Explain spiral model.
 (2) Write a note on steps in automated testing with Winrunner.
- (d) Attempt any one out of two : 5
 (1) Explain V-Model in detail.
 (2) What is Load Runner? Explain testing process of Load runner.
- 4 (a) Objective type questions: 4
 (1) COCOMO stands for _____
 (2) What is LOC and FP?
 (3) CPM stands for _____
 (4) Milestone can be found in _____ chart.

- (b) Attempt any one out of two : 2
(1) Write a note on decomposition technique.
(2) Write a note on effort estimation techniques.
- (c) Attempt any one out of two : 3
(1) Explain COCOMO model.
(2) What is scheduling? Explain time line chart.
- (d) Attempt any one out of two : 5
(1) Explain direct measure and indirect measure in problem based estimation.
(2) Write a note on PERT chart and Gantt chart.
- 5 (a) Objective type questions: 4
(1) Collection of stencil can be available in _____.
(2) UML stands for _____.
(3) CAD stands for _____.
(4) What is an extension of Visio drawing file?
- (b) Attempt any one out of two : 2
(1) What are Stencils and templates in MS-Visio?
(2) Write basic steps to draw flow chart in MS-Visio.
- (c) Attempt any one out of two : 3
(1) Write a note on MS project.
(2) What is UML? Write a note on class diagram.
- (d) Attempt any one out of two : 5
(1) Explain MS-Visio in detail.
(2) Explain activity diagram and use case diagram with example.
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