



DCT-003-1033001 Seat No. _____

B. C. A. (Sem. III) (CBCS) (W.E.F. 2016) Examination

August - 2022

CS-13 : SAD, Software Quality Assurance & Testing

Faculty Code : 003

Subject Code : 1033001

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

[Total Marks : 70

Instruction : Attempt any **Five** questions.

- 1 (a) Objective type questions : **04**
- (1) What is system ?
 - (2) Information Engineering is _____Phase in SDLC.
 - (3) What is business system ?
 - (4) SDLC stands for _____.
- (b) Explain data dictionary. **02**
- (c) Explain role of system analyst. **03**
- (d) Explain decision table in detail. **05**
- 2 (a) Objective type questions : **04**
- (1) What is Quality Assurance ?
 - (2) Umbrella Activity including configuration management, quality assurance and documentation. (True or False)
 - (3) Usability is related with network interface (True or False)
 - (4) QAA stands for _____.
- (b) Give difference between QA and Q. **02**
- (c) What is Quality ? Explain Factors affecting quality in detail. **03**
- (d) Write a note on SQC. **05**

3	(a) Objective type questions :	04
	(1) Define testing.	
	(2) Failure is affected then software stop working. (True or False)	
	(3) Define Fault.	
	(4) Define bug.	
	(b) Define fault and failure.	02
	(c) Explain test case and test script in detail.	03
	(d) What is testing ? Explain Artifacts of testing in detail.	05
4	(a) Objective type questions :	04
	(1) Alpha testing comes under _____testing.	
	(2) Static Testing contain inspection and walkthrough. (True or False)	
	(3) Module interdependencies tested in _____.	
	(4) Which testing is considered under system testing ?	
	(b) Define Verification and Validation.	02
	(c) Explain state transition testing.	03
	(d) Explain Black Box testing in detail.	05
5	(a) Objective type questions :	04
	(1) Which model is suitable for small project ?	
	(2) Waterfall model also known as _____.	
	(3) V-model is known as _____.	
	(4) Process model consists of how many and which phase?	
	(b) Explain waterfall model.	02
	(c) Explain Spiral Model in detail.	03
	(d) Explain V-Model in detail.	05

- 6** (a) Objective type questions : **04**
- (1) QTP stands for _____.
 - (2) Functional testing tool is purify plus. (True or False)
 - (3) What is freeware ?
 - (4) List out different check points.
- (b) Define freeware and license tool. **02**
- (c) Explain QTP in detail. **03**
- (d) Explain Load Runner automated testing tool in detail. **05**
- 7** (a) Objective type questions : **04**
- (1) COCOMO stand for _____.
 - (2) What is LOC and FP ?
 - (3) Project size is considered based on _____.
 - (4) Project Management include planning, controlling Monitoring. (True or False)
- (b) What is size oriented methods ? **02**
- (c) Explain Decomposition technique. **03**
- (d) Explain Empirical project estimation technique in detail. **05**
- 8** (a) Objective type questions : **04**
- (1) PERT stands for _____.
 - (2) Gant Chart also Known as _____.
 - (3) Development progress can be tracked by timeline chart. (True/False)
 - (4) Milestone can be found in _____chart.
- (b) Explain Task network. **02**
- (c) Write a note on Effort Estimation Technique. **03**
- (d) Explain PERT Chart. **05**

- 9** (a) Objective type questions : **04**
- (1) CAD stands for _____.
 - (2) What is an extension of Visio drawing file ?
 - (3) Visio is a product of _____.
 - (4) Team planner tool used to assign activity to people, add resources. (True or False)
- (b) What is CPM ? **02**
- (c) Write a note on MS-Visio. **03**
- (d) Explain MS-Project in detail. **05**
- 10** (a) Objective type questions : **04**
- (1) UML stands for _____.
 - (2) Class diagram represents.
 - (3) Actor is used in _____ diagram.
 - (4) Object includes _____.
- (b) What is UML ? Explain class diagram. **02**
- (c) Explain Use case diagram. **03**
- (d) Explain Activity Diagram with detail. **05**
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