

P.G.D.C.A Semester - 2 (CBCS) Examination
March/April – 2026 [As Per Syllabus Year-2018]
SAD, Software Quality Assurance & Testing (CORE)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1(A)	Answer the following questions. (All three)	(03)
	(1) What is interview?	
	(2) Define : Subsystem.	
	(3) Give Full Form : DFD.	
Que.1(B)	Answer the following question. (any two)	(06)
	(1) What is the role of System Analyst?	
	(2) Explain : Data Dictionary.	
	(3) Define shortly : System, Information System, Business System.	
Que.1(C)	Answer the following question. (any one)	(05)
	(1) What is Software Engineering? How it is useful in developing software?	
	(2) Write down the Life cycle of SDLC.	
Que.2(A)	Answer the following questions. (All three)	(03)
	(1) Explain : Bug.	
	(2) What is Static Testing?	
	(3) What is Defect?	
Que.2(B)	Answer the following question. (any two)	(06)
	(1) List out and explain any two types of Dynamic Testing.	
	(2) Define shortly : Unit Testing, Integration Testing, System Testing.	
	(3) Write a short note on : Testing Artifacts.	
Que.2(C)	Answer the following question. (any one)	(05)
	(1) Give difference between White Box Testing V/s. Black Box Testing.	
	(2) Write a short note on Non-functional Testing.	
Que.3(A)	Answer the following questions. (All three)	(03)
	(1) Explain Load Runner.	
	(2) What is freeware?	
	(3) Give Full Form : QTP	
Que.3(B)	Answer the following question. (any two)	(06)
	(1) Explain Waterfall Model.	
	(2) Write a short note on : Prototyping Model.	
	(3) What is Big Bang Model? Explain it.	
Que.3(C)	Answer the following question. (any one)	(05)
	(1) Explain V-Model.	
	(2) Describe Iterative Model.	
Que.4(A)	Answer the following questions. (All three)	(03)
	(1) Give Full Form : COCOMO	
	(2) Give Full Form : SLOC	
	(3) What is scheduling?	
Que.4(B)	Answer the following question. (any two)	(06)
	(1) What are Algorithmic methods?	
	(2) Explain 4p in Project.	
	(3) Explain Timeline Chart.	
Que.4(C)	Answer the following question. (any one)	(05)
	(1) Explain Pert Chart.	
	(2) Explain Empirical project estimation tool.	

- Que.5(A) Answer the following questions. (All three) (03)
- (1) Give Full Form : QA
 - (2) Give Full Form : QC
 - (3) What is Class Diagram?
- Que.5(B) Answer the following question. (any two) (06)
- (1) Give Difference between QA and QC.
 - (2) Explain : Quality Assurance Activities.
 - (3) Write down the steps to create diagram in MS-Visio.
- Que.5(C) Answer the following question. (any one) (05)
- (1) What is the Use Case Diagram? Explain with proper example.
 - (2) What is UML? How it can be used within the project?
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