

P.G.D.C.A Semester - 2 (CBCS) Examination
March/April – 2024 (As Per Syllabus Year-2023)
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.
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Que.1(A) Attempt the following: (04)

- 1) Define Context Diagram
- 2) _____ is a fact finding technique
- 3) Give full form: SDLC
- 4) Full form of DFD is _____

Que.1(B) Answer any two: (10)

- 1) Explain Business System, Sub-system and Information system.
- 2) Write a short note on: Decision Tree and Decision Table
- 3) List various Data Flow Analysis tools. Explain any one in detail.
- 4) Elaborate in detail the role of a system analyst

Que.2(A) Attempt the following: (04)

- 1) _____ is a white box testing technique
- 2) What is Test Case?
- 3) Bug and Error are similar: True/False
- 4) Define: Failure

Que.2(B) Answer any two: (10)

- 1) List various Non-functional Testing techniques. Explain any two
- 2) What is Grey Box Testing? Explain advantages, disadvantages and suitability
- 3) What is dynamic testing strategy? Where it is used? What are the advantages?
- 4) Differentiate: Static Testing V/s Dynamic Testing.

Que.3(A) Attempt the following: (04)

- 1) What is shareware?
- 2) Waterfall Model follows down-top approach: True/False
- 3) Give full form: QTP
- 4) Win runner is the product of Apple Company? True or False

Que.3(B) Answer any two: (10)

- 1) Explain in detail: V Model
- 2) Explain in detail: Spiral Model
- 3) Explain in detail: Big Bang Model
- 4) Explain in detail: Prototyping Model

Que.4(A) **Attempt the following:** (04)

- 1) _____ is an empirical project estimation method
- 2) What is project scheduling?
- 3) What is Timeline Chart?
- 4) Full form of PERT is _____.

Que.4(B) **Answer any two:** (10)

- 1) Write a detail note on Project Scheduling.
- 2) Write a detail note on Effort estimation techniques
- 3) Write a detail note on Timeline chart and Pert Chart
- 4) Wrote a detail note on Project Monitoring and Tracking

Que.5(A) **Attempt the following:** (04)

- 1) Give full form: QC
- 2) What is QA?
- 3) MS – VISIO is basically used for software testing: True/False
- 4) MS – Project is the software used for creating maps. True/False

Que.5(B) **Answer any two:** (10)

- 1) Differentiate: QA, QC, Q
- 2) Write a note on Quality Assurance activities
- 3) Explain Class Diagram in UML
- 4) Explain Activity Diagram in UML
