

**P.G.D.C.A Semester - 2 (CBCS) Examination**  
**August/September -2020 [NEW COURSE]**  
**SAD, Software Quality Assurance & Testing (CORE)**

**Time: 2:00 Hours****Marks: 56****Instructions:**

1. Figure to the right indicate marks.
  2. There are five questions in the question paper.
  3. Answer any four of the following questions.
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Q.1(A) Answer the following question. (03)

1. Stands for SDLC.
2. Stands for DFD.
3. What is Subsystem?

Q.1(B) Answer the following question (any two) (06)

1. Explain types of DFD.
2. Explain fact-finding techniques.
3. Explain information system and business system.

Q.1(C) Answer the following question (any one) (05)

1. Explain decision tree and decision table.
2. Describe software engineering.

Q.2(A) Answer the following question. (03)

1. What is Bug?
2. What is Error?
3. What is Defect?

Q.2(B) Answer the following question (any two) (06)

1. Explain white box testing.
2. Explain gray box testing.
3. Explain black box testing.

Q.2(C) Answer the following question (any one) (05)

1. Describe non-functional testing in detail.
2. Describe testing artifacts in detail.

Q.3(A) Answer the following question. (03)

1. Stands for QTP.
2. Stands for V-Model.
3. What is iterative Model?

- Q.3(B) Answer the following question (any two) (06)
1. Explain load runner.
  2. Explain win runner.
  3. Explain prototyping model.
- Q.3(C) Answer the following question (any one) (05)
1. Short note on spiral model.
  2. Short note on big bang model.
- Q.4(A) Answer the following question. (03)
1. Stands for Loc.
  2. What is project Management.
  3. Full form on COCOMO.
- Q.4(B) Answer the following question (any two) (06)
1. What is time line chart? Explain with example.
  2. What is pert chart? Explain with example.
  3. What is USE CASE diagram? Explain with example.
- Q.4(C) Answer the following question (any one) (05)
1. Explain Graphical reporting tools.
  2. Describe automated estimation tools.
- Q.5(A) Answer the following question. (03)
1. Full form of UML.
  2. Full form of Q.
  3. What is class diagram?
- Q.5(B) Answer the following question (any two) (06)
1. Difference between QA & QC.
  2. Explain activity diagram with suitable example.
  3. Explain USECASE diagram with suitable example.
- Q.5(C) Answer the following question (any one) (05)
1. Describe quality assurance activities.
  2. How to work on MS-VISIO to design flow chart.

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