

B.Sc.(IT) Semester - 3 (CBCS) Examination**December.-2020 [OLD COURSE]****CS-13 SAD SOFTWARE QUALITY ASSURANCE AND TESTING(CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figure to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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| Q.1(A) | Attempt the following questions. (all) | (04) |
| | <ol style="list-style-type: none">1. What is fact Finding Technique?2. What is the full form of DFD?3. What is System Designer?4. What is an interview? | |
| Q.1(B) | Attempt the following questions (any one) | (02) |
| | <ol style="list-style-type: none">1. Explain: the role of System Analyst.2. Explain: Record Review and Observation. | |
| Q.1(C) | Attempt the following questions (any one) | (03) |
| | <ol style="list-style-type: none">1. Define following: System, Information System, Business System.2. Define following: Decision Tree, Questionnaire, Record review. | |
| Q.1(D) | Attempt the following questions (any one) | (05) |
| | <ol style="list-style-type: none">1. What is Software Engineering? How it is useful in developing software?2. What is DFD? Explain its symbols in detail. | |
| Q.2(A) | Attempt the following questions (all) | (04) |
| | <ol style="list-style-type: none">1. Define: Stress Testing.2. Define: Load Testing.3. Define: Performance Testing.4. Define: Security Testing. | |
| Q.2(B) | Attempt the following questions (any one) | (02) |
| | <ol style="list-style-type: none">1. What are the informal review and walk through?2. What are the unit Testing and Integration Testing? | |
| Q.2(C) | Attempt the following questions (any one) | (03) |
| | <ol style="list-style-type: none">1. Define following: Bug, Error, Defect.2. Write a short note on: Decision Table Testing. | |
| Q.2(D) | Attempt the following questions (any one) | (05) |
| | <ol style="list-style-type: none">1. Explain Boundary Data Analysis with example.2. Write a short note on: State transition Testing. | |
| Q.3(A) | Attempt the following questions (all) | (04) |
| | <ol style="list-style-type: none">1. Define: Freeware.2. Define: Shareware.3. Define: Licensed tools.4. What do you mean by piracy copy or unauthorized copy? | |
| Q.3(B) | Attempt the following questions (any one) | (02) |
| | <ol style="list-style-type: none">1. What is Rational Suite?2. What is QTP? | |
| Q.3(C) | Attempt the following questions (any one) | (03) |
| | <ol style="list-style-type: none">1. What are the advantage and disadvantages waterfall model?2. When prototyping Model is used? | |

- Q.3(D) Attempt the following questions. (any one) (05)
1. Write a short note on: V-Model.
 2. Write a short note on: Load Runner.
- Q.4(A) Attempt the following questions. (all) (04)
1. Give full form: PERT.
 2. Give full form: CPM.
 3. Define: Process.
 4. Define: Project.
- Q.4(B) Attempt the following questions (any one) (02)
1. What is Project Tracking?
 2. What is Project Management?
- Q.4(C) Attempt the following questions (any one) (03)
1. What are the Graphical Tools? How they are used?
 2. Explain Effort Estimation Techniques.
- Q.4(D) Attempt the following questions. (any one) (05)
1. Write a short note on: Pert Chart.
 2. Write a short note on: Timeline Chart.
- Q.5(A) Attempt the following questions (all) (04)
1. Define: Aggregation.
 2. Define: Quality Control.
 3. Define: Association.
 4. Define: Quality Assurance.
- Q.5(B) Attempt the following questions (any one) (02)
1. Describe: Class Diagram with example.
 2. Describe: Activity Diagram with example.
- Q.5 (C) Attempt the following questions (any one) (03)
1. Explain the Features of MS-Project.
 2. Write down the steps to create diagram in MS-Visio.
- Q.5(D) Attempt the following questions (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?
