



**JAF-003-003308**

Seat No. \_\_\_\_\_

**B. C. A. (Sem. III) (CBCS) Examination**

November - 2019

**CS-13 SAD, Software Quality Assurance & Testing**  
(Old Course)

**Faculty Code : 003**

**Subject Code : 003308**

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

[Total Marks : 70

- 1 Answer the following : 20
1. STLC stands for\_\_\_\_\_.
  2. What is Subsystem ?
  3. Test Harness is also known as\_\_\_\_\_.
  4. QAA stands for\_\_\_\_\_.
  5. UML stands for\_\_\_\_\_.
  6. LOC stands for\_\_\_\_\_.
  7. What is Software Error ?
  8. What is Performance Testing ?
  9. QTP stands for\_\_\_\_\_.
  10. CAD stands for\_\_\_\_\_.
  11. What is an extension of Visio Drawing file ?
  12. CPM stands for\_\_\_\_\_.
  13. What is MS Project ?
  14. Project Risks are evaluated during each phase is a nature of which model ?
  15. What is Activity Diagram ?
  16. What is Information System ?
  17. Timeline chart is also called \_\_\_\_\_.
  18. UAT stands for\_\_\_\_\_.
  19. What is Black Box Testing ?
  20. DSS stands for\_\_\_\_\_.

- 2 (A) Attempt Any Three 6
1. Draw & explain a symbol for DFD.
  2. Explain Data Dictionary,
  3. Define: Informal Review & Technical Review.
  4. Explain Test Plan.
  5. Define Use Case Diagram.
  6. Explain Stress Testing.
- (B) Attempt Any Three 9
1. Explain Context Level and Zero Level DFD.
  2. Explain the role of System Analyst.
  3. Explain Decision Tree with suitable example.
  4. Write a note on System Faults & System Failures.
  5. Explain Gray Box Testing.
  6. Differentiate: Static Testing and Dynamic Testing.
- (C) Attempt Any Two 10
1. Explain SDLC in detail.
  2. Give difference between Quality Assurance and Quality Control.
  3. Explain Fact Finding Techniques in detail.
  4. Explain white Box Testing in detail.
  5. Write a note on Test Levels.
- 3 (A) Attempt Any Three 6
1. Explain Software Engineering.
  2. Explain Task Network.
  3. Explain Effort Estimation Techniques.
  4. Explain Project Management.
  5. Define: Freeware, Shareware.
  6. What is V-Model? How it is useful ?
- (B) Attempt Any Three 9
1. Explain Big Bang Model.
  2. Explain Decomposition Techniques.
  3. Write a short note on Automated Estimation Tools.
  4. Explain Empirical Project Estimation Techniques.
  5. How the progress of project can be monitored and controlled ?
  6. Explain Win Runner Testing Tool.

(C) Attempt Any Two

10

1. Explain Waterfall Model.
  2. Write a note on PERT chart with example.
  3. Write a note : COCOMO in Project Management.
  4. What is MS VISIO? How it is designing and documentation of project with example ?
  5. Explain different Graphical Representing Tools in brief.
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