



JAF-003-1043001

Seat No. _____

B. Sc. (IT) (Sem. III) (W.E.F.) (CBCS) Examination

November - 2019

CS-13 SAD, Software Quality Assurance & Testing

Faculty Code : 003

Subject Code : 1043001

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

[Total Marks : 70

UNIT-1

- 1 (A) Objective Type Questions. 4
1. Write another name of DFD.
 2. Write any three feasibility names.
 3. In which phase of SDLC fact finding techniques can be applied to decide requirements ?
 4. Define System and give example.
- (B) Answer in brief (Any 1 out of 2) 2
1. Write characteristics of System.
 2. Write four rules to draw DFD.
- (C) Answer in detail (Any 1 out of 2) 3
1. Explain Decision Tree.
 2. Explain Fact Finding Techniques.
- (D) Write a note on (Any 1 out of 2) 5
1. Draw the diagram of System Development life Cycle and explain First Phase only.
 2. Explain Software Engineering.

UNIT-2

- 2 (A) Objective Type Questions. 4
1. What is [I, S, O] in context of testing ?
 2. State two types of static testing.
 3. In which Testing Type (Category) we don't need to run the system?
 4. What is another name Black Box Testing?

- (B) Answer in brief (Any 1 out of 2) 2
1. Explain Integration Testing.
 2. Explain Unit Testing.
- (C) Answer in detail (Any 1 out of 2) 3
1. Write the difference between Functional & Non Functional Testing.
 2. Explain Formal Technical Review.
- (D) Write a note on (Any 1 out of 2) 5
1. Explain level of Testing.
 2. Explain Non Functional Testing

UNIT-3

- 3 (A) Objective Type Questions. 4
1. Write another name of Classic Life Cycle Model.
 2. Which model follow a realistic and incremental approach?
 3. Give name of resources for planning in spiral Model.
 4. Write any one name of Performance Testing Tool.
- (B) Answer in brief (Any 1 out of 2) 2
1. What means by letter V in V-model?
 2. Explain Information Engineering in waterfall Model.
- (C) Answer in detail (Any 1 out of 2) 3
1. Explain Concept of Freeware, Shareware and Licensed tools.
 2. Explain Big Bang Model.
- (D) Write a note on (Any 1 out of 2) 5
1. Write a Short note on Prototyping tool.
 2. Write a Short note on Iterative Model.

UNIT-4

- 4 (A) Objective Type Questions. 4
1. A path in PERT having no slack time / extra time is called _____.
 2. Effort (Person / Month) of a project directly depends on _____ & _____.
 3. Give full form of FP.
 4. Write Full form of COCOMO model.

- (B) Answer in brief (Any 1 out of 2) 2
1. Explain Effort (E) with example.
 2. Explain Concept of Project Management.
- (C) Answer in detail (Any 1 out of 2) 3
1. Explain Decomposition Techniques.
 2. How will you Monitor and Control Progress of Project.
- (D) Write a note on (Any 1 out of 2) 5
1. Explain Gantt chart.
 2. Explain PERT chart.

UNIT-5

- 5 (A) Objective Type Questions. 4
1. To draw DFD which Microsoft tool is used?
 2. To draw timeline chart automatically which Microsoft tool is used ?
 3. Write symbols of USE CASE diagram.
 4. Write any two names of UML Diagram?
- (B) Answer in brief (Any 1 out of 2) 2
1. Draw a class diagram for customer & Order.
 2. Draw use case diagram for Point of Sale of a Furniture Shop.
- (C) Answer in detail (Any 1 out of 2) 3
1. Write a short note on Activity Diagram.
 2. Write steps to draw timeline chart in Ms. Project.
- (D) Write a note on (Any 1 out of 2) 5
1. Write a short note on Ms. Project.
 2. Write a short note on Ms. Visio.