



PBA-003-1043001

Seat No. _____

B. Sc. (I. T.) (Sem. III) (CBCS) (W.I.F. 2017) Examination

November / December - 2018

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 Bubble Chart.
 - (2) Which Feasibility is related with money matters ?
 - (3) What is the full form of SRS document created in 2nd Phase of SDLC ?
 - (4) Write the name of last phase of SDLC.
- (b) Answer in brief : (any 1 out of 2) 2
- (1) Write four characteristics of System Analyst.
 - (2) Write Difference between QA and Q.
- (c) Answer in detail : (any 1 out of 2) 3
- (1) Write Quality Assurance Activities.
 - (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.
 - (2) What is Software Engineering ?

UNIT – 2

- 2** (a) Objective type questions : **4**
- (1) What we call to Test Case along with related instructions ?
 - (2) How a Defect is differ than Error ?
 - (3) In which Testing Type (Category) we don't need to run the system ?
 - (4) What is another name White Box Testing ?
- (b) Answer in brief : (any 1 out of 2) **2**
- (1) Explain Acceptance Testing.
 - (2) Explain software fault and failure.
- (c) Answer in detail : (any 1 out of 2) **3**
- (1) Write Difference between White Box and Black Box 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 Linear Sequential Model.
 - (2) Which model follow a realistic and incremental approach ?
 - (3) Write any one name of Functional Testing Tool.
 - (4) Write any one name of Performance Testing Tool.
- (b) Answer in brief : (any 1 out of 2) **2**
- (1) What is Big-Bang Model ?
 - (2) Explain Information Engineering Concept (1st and 2nd Phase) in waterfall Model.
- (c) Answer in detail : (any 1 out of 2) **3**
- (1) Explain Concept of Freeware, Shareware and Licensed tools.
 - (2) Explain Iterative Model
- (d) Write a note on : (any 1 out of 2) **5**
- (1) Write Short note on Win Runner.
 - (2) Write Short note on Spiral Model.

UNIT – 4

- 4 (a) Objective type questions : 4
- (1) Write full form of PERT Chart.
 - (2) Which parameter should be calculated to estimate cost of Project ?
 - (3) Give full form of FP.
 - (4) Write Full form of COCOMO model.
- (b) Answer in brief : (any 1 out of 2) 2
- (1) If Effort (E) is 24 and actually 4 person worked on the project then what was the actual duration of Project ?
 - (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 Timeline chart.
 - (2) Explain LOC based Metrics.

UNIT – 5

- 5 (a) Objective type questions : 4
- (1) Write Microsoft Designing tool for Software engineering. (Computer Aided Design)
 - (2) Write Microsoft Project Management Tool. (Computer Aided Management)
 - (3) Write symbols of USE CASE diagram.
 - (4) Which Diagram shows Sequence of tasks in UML ?
- (b) Answer in brief : (any 1 out of 2) 2
- (1) Explain relation between UML and Object Oriented Designing.
 - (2) How MS-Project is useful in Project Management.
- (c) Answer in detail : (any 1 out of 2) 3
- (1) Write 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 short note on Class Diagram
 - (2) Write short note on MS-Visio.