



PBA-003-1033001

Seat No. _____

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

November / December - 2018

CS - 13 : SAD, Software Quality Assurance & Testing

Faculty Code : 003

Subject Code : 1033001

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

[Total Marks : 70

- 1 (a) Attempt following questions : 4
- (1) Full form of SDLC.
 - (2) Full form of DFD.
 - (3) Full form of QA.
 - (4) List out the Fact Finding Techniques.
- (b) Answer in brief : (any **one** out of two) 2
- (1) What is System ?
 - (2) What is Software Engineering ?
- (c) Answer in detail : (any **one** out of two) 3
- (1) Explain Decision Tree.
 - (2) Explain Decision Table.
- (d) Write a note on : (any **one** out of two) 5
- (1) Explain Role of System Analyst.
 - (2) Explain SDLC.
- 2 (a) Attempt following questions : 4
- (1) Which Testing Level is performed first ?
 - (2) Cost of the defect does not increase over the period of time. (True / False)
 - (3) Specification should not be allowed to change. (Yes / No)
 - (4) Unit Testing is in _____ method of Testing.

- (b) Answer in brief : (any **one** out of two) 2
- (1) What is Unit Testing ?
 - (2) What is Integration Testing ?
- (c) Answer in detail : (any **one** out of two) 3
- (1) Explain Peak Load Testing.
 - (2) Explain Test Case.
- (d) Write a note on : (any **one** out of two) 5
- (1) Explain Blackbox and Whitebox Testing Methods.
 - (2) Explain Levels of Software Testing.
- 3** (a) Attempt following questions : 4
- (1) List any two Software Testing Tools.
 - (2) Quick Design phase is in _____ Software Model.
 - (3) A Risk Management feature is in _____ Software Model.
 - (4) _____ is the simplest model of Software Development Paradigm.
- (b) Answer in brief : (any **one** out of two) 2
- (1) What is Freeware ?
 - (2) What is Shareware ?
- (c) Answer in detail : (any **one** out of two) 3
- (1) Explain Waterfall Model.
 - (2) Explain V Model.
- (d) Write a note on : (any **one** out of two) 5
- (1) Explain Spiral Model.
 - (2) Explain Prototyping Model.
- 4** (a) Attempt following questions : 4
- (1) Full form of COCOMO.
 - (2) Full form of PERT.
 - (3) Project performance consists of Time, Cost and Quality. (True / False)
 - (4) Risk Assessment, Risk Control are the Components of Risk Management. (True / False)

- (b) Answer in brief : (any **one** out of two) **2**
- (1) What is PERT chart ?
 - (2) What is Project Management ?
- (c) Answer in detail : (any **one** out of two) **3**
- (1) Explain Project Scheduling.
 - (2) Explain Activity Timeline and Network diagram.
- (d) Write a note on : (any **one** out of two) **5**
- (1) Explain Project Estimation.
 - (2) Explain Graphical Reporting Tools.
- 5** (a) Attempt following questions : **4**
- (1) Full form of UML.
 - (2) Full form of CAD.
 - (3) _____ UML diagram for to represent Class in Project.
 - (4) _____ UML diagram for to represent Activity in Project.
- (b) Answer in brief : (any **one** out of two) **2**
- (1) What is MS-VISIO ?
 - (2) What is UML ?
- (c) Answer in detail : (any **one** out of two) **3**
- (1) Explain MS-PROJECT.
 - (2) Explain Class Diagram.
- (d) Write a note on : (any **one** out of two) **5**
- (1) Explain Use Case Diagram.
 - (2) Explain Activity Diagram.
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