



PBT-003-1022001 Seat No. _____

P. G. D. C. A. (Sem. II) (CBCS) Examination

December - 2018

**CS - 07 : SAD, Software Quality Assurance and
Testing**

Faculty Code : 003

Subject Code : 1022001

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

[Total Marks : 70

- 1 (a) Objective type questions : 4
- (1) SDLC stands for _____
 - (2) DFD stands for _____
 - (3) TPS stands for _____
 - (4) _____ is used to store metadata
- (b) Answer in brief : (Any **One** out of two) 2
- (1) Roles of System Analyst in brief- Any two roles
 - (2) What is System and Business System?
- (c) Answer in detail : (Any **One** out of two) 3
- (1) Data dictionary in detail
 - (2) Decision Table in detail with an example
- (d) Write a note on : (Any **One** out of two) 5
- (1) SDLC stages
 - (2) DFD with an example (context level DFD)
- 2 (a) Objective type questions : 4
- (1) _____ is a general term that is used for an error or fault
 - (2) _____ testing is a combination of white-box testing and black-box testing
 - (3) _____ testing is performed to test non-functional requirements of the software
 - (4) Performance testing is a type of _____ testing

- (b) Answer in brief : (Any **One** out of two) **2**
 (1) Dynamic testing in brief
 (2) Error V/S Defect
- (c) Answer in detail : (Any **One** out of two) **3**
 (1) Any three Testing Artifacts in detail
 (2) Black Box V/S White Box Testing
- (d) Write a note on : (Any **One** out of two) **5**
 (1) Test levels
 (2) Non functional Testing
- 3** (a) Objective type questions : **4**
 (1) _____ phase joins two sides of the V-Model
 (2) _____ model is not suitable for smaller projects
 (3) _____ model is suitable when project size is very small
 (4) QTP stands for _____
- (b) Answer in brief : (Any **One** out of two) **2**
 (1) Software Piracy in brief
 (2) Big Bang Model
- (c) Answer in detail : (Any **One** out of two) **3**
 (1) Automated Testing with benefits and limitations
 (2) Freeware, Shareware, and Licensed Tools
- (d) Write a note on : (Any **One** out of two) **5**
 (1) Win Runner and Rational Suite
 (2) Waterfall Model V/S V-Model
- 4** (a) Objective type questions : **4**
 (1) KLOC stands for _____
 (2) FP is a Function-Oriented Metrics (True / False)
 (3) _____ parameters are used in the FP calculation
 (4) CPM stands for _____

- (b) Answer in brief : (Any **One** out of two) **2**
 (1) Concept of Project Management in brief
 (2) Any two Effort Estimation Techniques in brief
- (c) Answer in detail : (Any **One** out of two) **3**
 (1) Decomposition Techniques in detail
 (2) COCOMO Model in detail
- (d) Write a note on : (Any **One** out of two) **5**
 (1) LOC and FP
 (2) PERT Chart with an example
- 5** (a) Objective type questions : **4**
 (1) ISO stands for _____
 (2) Six Sigma improves Software Quality by _____
 (3) CAD stands for _____
 (4) Actor is used in _____
- (b) Answer in brief : (Any **One** out of two) **2**
 (1) Explain QA
 (2) Explain UML in brief
- (c) Answer in detail : (Any **One** out of two) **3**
 (1) QA V/S Q
 (2) Quality Assurance Activities
- (d) Write a note on : (Any **One** out of two) **5**
 (1) MS VISIO
 (2) Class Diagram and Use Case Diagram