



**MBN-003-1022001** Seat No. \_\_\_\_\_

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

**April / May - 2018**

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

**Faculty Code : 003**

**Subject Code : 1022001**

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

[Total Marks : 70

- 1 (A) Attempt the following objective questions : 4
- (1) What is Business System?
  - (2) What is fact finding Techniques?
  - (3) Full Form of SDLC.
  - (4) What is System?
- (B) Answer in brief : (Any One) 2
- (1) Explain Fact Finding Techniques.
  - (2) Explain Decision Tree.
- (C) Answer in detail : (Any One) 3
- (1) Explain DFD.
  - (2) Explain Data Dictionary.
- (D) Write a note on : (Any One) 5
- (1) Write a note on SDLC.
  - (2) Explain Software Engineering in detail.
- 2 (A) Attempt the following objective questions : 4
- (1) Define TestCase.
  - (2) What is Whitebox Testing?
  - (3) List out Nonfunction Testing.
  - (4) What is Dynamic Testing?

- (B) Answer in brief : (Any One) 2  
 (1) Define Verification and Validation.  
 (2) Explain Test Levels.
- (C) Answer in detail : (Any One) 3  
 (1) Explain Static Testing.  
 (2) Explain Test Script.
- (D) Write a note on : (Any One) 5  
 (1) Explain Black box testing with its advantages and disadvantages.  
 (2) Write a note on Non-functional Testing.
- 3** (A) Attempt the following objective questions : 4  
 (1) What is Freeware?  
 (2) Full Form of QTP.  
 (3) What is Automated testing?  
 (4) What is Shareware?
- (B) Answer in brief : (Any One) 2  
 (1) List different phases of waterfall model.  
 (2) Explain winrunner in brief
- (C) Answer in detail : (Any One) 3  
 (1) Advantages and disadvantages of V-model.  
 (2) Explain Rational Suite.
- (D) Answer in detail : (Any One) 5  
 (1) Explain Big Bang models.  
 (2) Explain Spiral model.
- 4** (A) Attempt the following objective questions : 4  
 (1) PERT stands for \_\_\_\_\_  
 (2) Full form of LOC.  
 (3) Time line chart is also called Gantt Chart (True/False).  
 (4) What is Estimation Techniques.

- (B) Answer in brief : (Any One) 2
- (1) What is Project Management?
  - (2) Explain Effort Estimation Techniques.
- (C) Answer in detail : (Any One) 3
- (1) Explain Automated Estimation tools.
  - (2) Explain Timeline chart in detail.
- (D) Answer in detail : (Any One) 5
- (1) Write a note on PERT chart.
  - (2) Write a note on Decomposition technique.
- 5 (A) Attempt the following objective questions : 4
- (1) UML Stands for \_\_\_\_\_
  - (2) List out types of diagram.
  - (3) Full form of QA.
  - (4) What is the extension of visio drawing file ?
- (B) Answer in brief : (Any One) 2
- (1) Difference between QA and QC.
  - (2) Explain features of UML.
- (C) Answer in detail : (Any One) 3
- (1) Explain Activity diagram.
  - (2) Explain Use Case diagram.
- (D) Answer in detail : (Any One) 5
- (1) Explain QA in detail.
  - (2) Write a note on MS Project.
-