



PBA-003-003308 Seat No. _____

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

November / December - 2018

CS - 13 : SAD, Software Quality Assurance & Testing

(New Course)

Faculty Code : 003

Subject Code : 003308

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

[Total Marks : 70

1 Answer the following : 20

1. Give the definition of System.
2. Give the definition of Information System.
3. DSS stands for _____.
4. NSS Stands for _____.
5. Give full form: DFD.
6. The Information from Group/Individuals can be collected using.....
7. Give the definition of Correctness.
8. Give the definition of Unit Test.
9. Give full form of QTP.
10. Give full form of QAA.
11. What is Security Testing ?
12. What is Record Review ?
13. Full form of PERT.
14. There are 8 steps in SDLC (True/False).
15. Definition of Use case Diagram.
16. Definition of PERT Chart.
17. CAD stands for _____.
18. Definition of Tracking.
19. The product was first introduced in.....
20. What is Controlling Progress ?

- 2 (A) Attempt any **three** : **6**
1. Write Role of System Analyst.
 2. Explain White Box Testing.
 3. Define error and defect.
 4. Define Verification and Validation.
 5. Explain Software Engineering and types of phases.
 6. Introduction of QC.
- (B) Attempt any **three** : **9**
1. What is DFD ?
 2. Explain Test Case and Test Script.
 3. Explain Decision Tree with example.
 4. Explain Test Case.
 5. Explain V Model.
 6. Explain Waterfall Model.
- (C) Attempt any **two** : **10**
1. Explain Fact Finding Techniques.
 2. Write a note on SDLC.
 3. Explain Grey Box Testing.
 4. Explain Dynamic Testing.
 5. Write note on Spiral Model.
- 3 (A) Attempt any **three** : **6**
1. What is Timeline Chart ?
 2. Explain Load Runner.
 3. Explain following terms :
 - a. Object
 - b. Class
 4. Explain UML.
 5. Explain Decision Table Testing in Black box.
 6. Difference between quality assurance and quality.

(B) Attempt any **three** : 9

1. Explain Effort Estimation Techniques.
2. Explain Task Network and Scheduling.
3. Explain Use case diagram.
4. Explain Activity Diagram.
5. Explain integration testing.
6. Explain types of data dictionary.

(C) Attempt any **two** : 10

1. Write note on Prototyping Model.
 2. Explain Test harness.
 3. Explain Test case and Test script.
 4. Write a note on MS-Visio.
 5. Explain Project Management Tool.
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