



PBA-003-003301 Seat No. _____

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

November / December - 2018

**CS - 13 : System Analysis & Design, Software
Engineering & MS Access
(Old Course)**

Faculty Code : 003

Subject Code : 003301

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

[Total Marks : 70

1 Answer the following : [20]

1. What is Information System?
2. ISO stands for _____.
3. What is LOC ?
4. What is Use Case?
5. SDLC stands for _____.
6. What is Normalization ?
7. DSS stands for _____.
8. Which are the roles of System Analyst ?
9. List out action name in Macros.
10. What are types of DFD ?
11. What is V & V testing ?
12. Which view is used to make a change in table structure ?
13. Which are the two types of Data Access Page ?
14. What is Software Bug ?
15. A top level zero diagram is also known as _____.
16. Which are the two options for referential integrity ?

17. Define Static Testing.
 18. Which query is used for generating a summary like Sum, Min, Max, Average in table ?
 19. FP stands for _____.
 20. Which view is used to make change in table structure ?
- 2** (A) Attempt Any Three : **6**
1. What is Verification and Validation?
 2. Explain System and Sub -System with diagram.
 3. Explain Test Harness.
 4. Describe Data Dictionary.
 5. Explain Zero level DFD.
 6. Explain Test Plan.
- (B) Attempt Any Three : **9**
1. Explain Decision Tree with suitable example.
 2. Explain Activity Diagram.
 3. Explain E.F.Codd rules.
 4. Explain concept of Data Access Pages.
 5. Explain form and its properties.
 6. What are Queries? How to create different queries?
- (C) Attempt Any Two : **10**
1. Explain SDLC in detail.
 2. Explain System Faults and System Failures.
 3. Explain Techniques of Software Testing.
 4. What is UML ? Explain Use case Diagram in detail.
 5. Explain Fact Finding Technique.
- 3** (A) Attempt Any Three : **6**
1. Draw and explain a symbol for DFD.
 2. Explain role of information analyst.
 3. Define Data Access Pages.
 4. What is Scheduling ?

5. Explain pivot tables reports.
 6. Explain Object naming rules.
- (B) Attempt Any Three : **9**
1. Explain Context Level DFD.
 2. Explain TimeLine Chart in detail.
 3. Explain Conditional Macro and Macro errors.
 4. Explain Class Diagram.
 5. What is Project Management ? Explain 4P's.
 6. Explain Software Engineering in detail.
- (C) Attempt Any Two : **10**
1. Explain LOC & FP.
 2. Explain W⁵HH Principle.
 3. Explain Primary Key, Foreign Key, Composite Key and Candidate Key.
 4. What is SQA ? Explain Six Sigma.
 5. Explain Field Properties in Tables.
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