



HCU-003-003301 Seat No. _____

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

October / November – 2017

**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 of the following 20

- (1) Full form of DFD is _____ .
- (2) Which key cannot be null and not having duplicate values?
- (3) "In a table there may more than one field that are able to work as a primary key." Statement is true or false?
- (4) What is Risk Management?
- (5) Testing done without planning and Documentation is called.
- (6) Full form of SDLC is _____ .
- (7) The process of assigning a label or macroname to the string is called.
- (8) Full form of UML is _____ .
- (9) The Default And Maximum Size Of Text Field In Access.
- (10) Which Field Type Can Store Photos?
- (11) When Entering Field Name, How Many Characters You Can Type In Maximum?
- (12) "White-box testing is a method of testing software that tests internal structures or workings of an application" Statement is True or False ?

- (13) A macro within a macro is called.
- (14) If a number of instructions are repeating through the main program, then to reduce the length of the program _____ is used.
- (15) What is Bug?
- (16) What is error?
- (17) What is SQA?
- (18) What is Primary Key?
- (19) What is Composite Key?
- (20) What is Candidate Key?

- 2** (a) Attempt any **three** : **6**
- (1) Explain System & Sub -System with diagram.
 - (2) Explain Test Harness.
 - (3) Describe Data Dictionary.
 - (4) Explain Zero level DFD.
 - (5) Explain Test Plan.
 - (6) What is Verification and Validation?
- (b) Attempt any **three** : **9**
- (1) Explain Activity Diagram.
 - (2) Explain Decision Tree with suitable example.
 - (3) Explain E.F. Codd rules.
 - (4) Explain concept of Data Access Pages.
 - (5) Explain form and its properties.
 - (6) What is Queries? How to create different queries?

- (c) Attempt any **two** : **10**
- (1) Explain SDLC in detail.
 - (2) Explain Techniques of Software Testing.
 - (3) What is UML? Explain Use case Diagram in detail.
 - (4) Explain Fact Finding Technique.
 - (5) Explain System Faults and System Failures.
- 3** (a) Attempt any **three** : **6**
- (1) Explain role of information analyst.
 - (2) What is Normalization?
 - (3) What is database?
 - (4) Explain pivot tables reports.
 - (5) Explain Object naming rules.
 - (6) Draw and explain a symbol for DFD.
- (b) Attempt any **three** : **9**
- (1) Explain Timeline chart in detail.
 - (2) Explain Class Diagram.
 - (3) Explain Conditional Macro and Macro errors.
 - (4) What is Project Management ? Explain 4P's.
 - (5) Explain Software Engineering in detail..
 - (6) Explain Context Level DFD.
- (c) Attempt any **two** : **10**
- (1) What is SQA? Explain Six sigma.
 - (2) Explain LOC & FP.
 - (3) Explain Access Data Types
 - (4) Explain Normalization of table.
 - (5) Explain Field Properties in Tables.