NBQ-003-1072003   Seat No. _____

M. C. A. (Sem. II) (CBCS) Examination

April / May – 2017

P - 2030 : System Analysis & Design

Faculty Code : 003
Subject Code : 1072003

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

Instruction :

Write answers of all the questions in main answer sheet.

1   (a)   Attempt the following objective questions :   4

(1)   SDLC stands for ?

(2)   What is system ?

(3)   What is analysis ?

(4)   List type of user.

(b)   Attempt any one out of two from the following   2

objective questions :

(1)   What is subsystem ?

(2)   What is information system ?

(c)   Attempt any one out of two from the following   3

objective questions :

(1)   Explain characteristics of system.

(2)   Explain system prototype.

(d)   Attempt any one out of two from the following   5

objective questions :

(1)   Explain role of system analyst.

(2)   Explain SDLC in detail.

2   (a)   Attempt the following objective questions :   **4**
- (1) What is table ?
- (2) DFD full form.
- (3) In a DFD external entities are represented by a......
- (4) The step-by-step instructions that solve a problem are called.........

     (b)   Attempt any one out of two from the following   **2**
objective questions :
- (1) Explain tools of analysis.
- (2) Explain preliminary investigation.

     (c)   Attempt any one out of two from the following   **3**
objective questions :
- (1) What is DFD ?
- (2) Explain decision tree.

     (d)   Attempt any one out of two from the following   **5**
objective questions
- (1) Explain feasibility study.
- (2) Explain Fact finding techniques.

3   (a)   Attempt the following objective questions :   **4**
- (1) What is input ?
- (2) Definition of output.
- (3) What is layout ?
- (4) Definition for mnemonic code.

     (b)   Attempt any one out of two from the following   **2**
objective questions :
- (1) List type of output.
- (2) Explain function code

     (c)   Attempt any one out of two from the following   **3**
objective questions :
- (1) Explain any one presenting information.
- (2) What is special form ?

     (d)   Attempt any one out of two from the following   **5**
Objective questions :
- (1) Explain any two coding techniques.
- (2) Explain input validation.

4 (a) Attempt the following objective questions :   4
        (1) What is entity ?
        (2) Explain module size.
        (3) Definition of Coupling.
        (4) What is span of control ?
   (b) Attempt any one out of two from the following   2
        objective questions :
        (1) What is HIPO chart ?
        (2) What is data dictionary ?
   (c) Attempt any one out of two from the following   3
        objective questions :
        (1) Explain ER.
        (2) Explain shared modules.
   (d) Attempt any one out of two from the following   5
        objective questions :
        (1) Explain normalization.
        (2) Explain Database environment.

5 (a) Attempt the following objective questions :   4
        (1) What is testing ?
        (2) What is unit test ?
        (3) Define cut-over.
        (4) What is Pilot ?
   (b) Attempt any one out of two from the following   2
        objective questions :
        (1) Explain peak load test.
        (2) Describe recovery test.
   (c) Attempt any one out of two from the following   3
        objective questions :
        (1) Explain training method.
        (2) What is certification ?
   (d) Attempt any one out of two from the following   5
        objective questions :
        (1) Explain Testing in detail.
        (2) Explain verification and validation with example.

———————