KAL-1413   Seat No._____

B. C. A. (Sem. IV) Examination
April / May – 2013
BCA-403 : System Analysis & Design (CC)
(New Course)

Time : **3** Hours]   [Total Marks : **70**

1   (a)   Attempt any two :   **12**
(1)   Explain the basic principles of code design.
(2)   Why code is required ? Explain significant code with example.
(3)   Explain the principles of input design with its importance.

(b)   Attempt following :   **6**
(1)   What are the types of output ?
(2)   Draw general mode of system.
(3)   Explain data validation.

2   (a)   Attempt any two :   **12**
(1)   Who is system analyst ? Discuss the job and attributes of effective system analyst in detail.
(2)   Explain each activity of SDLC in detail.
(3)   Explain fact finding techniques.

(b)   Explain the given term :   **5**
(1)   Integration
(2)   Input
(3)   Data
(4)   Conversion
(5)   Cohesion.

3 (a) Attempt any two : **12**
     (1) What is testing ? Explain the level of testing.
     (2) Explain hierarchical input process output and structured flow chart.
     (3) What is training ? Discuss the method of training.

  (b) Attempt the following : **6**
     (1) What is coupling ?
     (2) Warnier-orr diagram.
     (3) Explain data verification.
     (4) Full from of SSADM.
     (5) List out the types of documentation.
     (6) What is special case in testing.

4 Draw the different level of DFDs for payroll system. **17**

OR

4 (a) Answer the following : (any two) **12**
     (1) Discuss : System prototype method.
     (2) Short note on decision tree.
     (3) Write down types of information system.

  (b) Attempt the following : **5**
     (1) Explain data aliases in dictionary.
     (2) What is logical data flow diagram.
     (3) List out type of feasilibies.
     (4) Explain data elements in data dictionary.
     (5) Explain symbol used for DFD.

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