BW-1673   Seat No._____

B. C. A. (Sem. IV) Examination

April / May – 2014

BCA-403 : System Analysis & Design

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

1 (a) Answer the following : (any six)   **6**
  (1) What is system?
  (2) Define: Black box
  (3) What is prototype?
  (4) Define: Deterministic system
  (5) What is Interface?
  (6) What is Decision tree?
  (7) Define: Subsystem.

  (b) Attempt the following : (any two)   **12**
  (1) Explain the analysis phase of SDLC.
  (2) Who is system analyst? Discuss the role of system analyst.
  (3) Discuss the each method by which system analyst gather the information from users related to system during system study.

2 (a) Answer the following : (any five)   **5**
  (1) What is Case tools?
  (2) Define facted code?
  (3) What is data capture?
  (4) List out the medias of output.
  (5) List out the types of form.
  (6) Pay slips are Extenal outputs(T/F).

(b)   Answer the following : (any two)   **12**
(1)   Discuss all the components of case tools.
(2)   Explain the principles of code Decision.
(3)   Which type of cosideration should be used for output Design?

3   (a)   Answer the following : (any six)   **6**
(1)   Define: Testing
(2)   _____diagram is also known as logical construction of system.
(3)   What is Peak load testing?
(4)   What is full form of VTOC?
(5)   What is cuppling?
(6)   Training is useless process for trainees(T/F).
(7)   ____ method runs new system and old system concurrently.

(b)   Attempt the following : (any two)   **12**
(1)   Explain HIPO chart with example.
(2)   Discuss conversion methods in detail.
(3)   Write a short note on Documentation.

4   Draw and discuss the different levels of DFDS for **17** "LIBRARY SYSTEM" in detail.

OR

4   (a)   Attempt the following : (any two)   **5**
(1)   Write down difference b/w logical DFD & physical DFD.
(2)   Discuss the feedback control in brief.
(3)   Write down the difference b/w open & close system.

(b)   Answer the following (any two)   **12**
(1)   Write a short note on prototype method.
(2)   What is DFD? Explain the rules for drawing the DFD.
(3)   Explain Decision table with example.