



AS-2603

Seat No. 76

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

March / April - 2018

BCA - 403 : System Analysis & Design

Time : 3 Hours]

[Total Marks : 70

- 1 (a) Attempt : (Any 3) 6
- (1) Give the symbols used in DFD.
 - (2) What is prototype ?
 - (3) What do you mean by deterministic system ?
 - (4) Define : Data Dictionary.
- (b) Answer the following : (Any 2) 12
- (1) List out all the phases of SDLC. Explain the Analysis phase of SDLC.
 - (2) Explain fact finding techniques in detail.
 - (3) What is system ? Explain characteristics of system and need of system.
- 2 (a) Attempt : (Any 2) 5
- (1) What is data capture ?
 - (2) List out types of codes.
 - (3) List out types of forms.
- (b) Answer the following : (Any 2) 12
- (1) What is case tools ? Discuss all components of case tool.
 - (2) Which type of consideration should be used for output design ?
 - (3) What is data validation ? Explain check digit module 11 method.

- 2 (a) Do as Directed : 5
- (1) How to create an array in VB ? Explain it in brief.
 - (2) State the difference between functions and procedures.
- (b) Attempt Following : (Any Three) 12
- (1) Discuss string functions with proper example.
 - (2) How to create function ? Also explain it with example.
 - (3) Explain common controls with example.
 - (4) Describe the loops in VB with example.
- 3 (a) Do as Directed : 6
- (1) Write down the difference between DAO and RDO.
 - (2) Write down the use of different record sets.
 - (3) State the use of Filters and Sort.
- (b) Attempt Following : (Any Two) 12
- (1) Describe the use of ActiveX controls in detail.
 - (2) Explain ADO in detail.
 - (3) Discuss data grid control with example.
- 4 (a) Do as Directed : 5
- (1) Define :
 - (1) COM
 - (2) DCOM
 - (2) State the difference between data report and crystal report.
- (b) Attempt Following : (Any Two) 12
- (1) Explain service models in detail.
 - (2) Discuss packaging a standard exe project.
 - (3) Explain data report with example.