



**AM-1003**

Seat No. 509

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

**March - 2019**

**System Analysis & Design : BCA - 403**

Time : 3 Hours]

[Total Marks : 70

- 1 (A) Attempt Any **Six** : **6**
- (1) What is System?
  - (2) List out types of information system.
  - (3) Define : System analyst.
  - (4) Define : Data Dictionary.
  - (5) Full form : MIS
  - (6) What is black box?
  - (7) Full form : SDLC
- (B) Explain in detail. (Any **Two**) **12**
- (1) List out the phase of SDLC and explain the analysis phase of SDLC.
  - (2) Explain the role of system analyst.
  - (3) Describe the fact finding techniques in detail.
- 2 (A) Attempt following : **5**
- (1) What is data capture?
  - (2) Define : Validation
  - (3) Full form : CASE
  - (4) Which are the media of output?
  - (5) List out types of form.

- (B) Explain in detail (Any **Two**) **12**
- (1) Discuss all the components of CASE tools.
  - (2) Discuss about the output design.
  - (3) What is input design? Explain data validation in input design.
- 3** (A) Attempt following : **6**
- (1) Full form : VTOC
  - (2) Full form : HIPO
  - (3) What is coupling ?
  - (4) What is documentation ?
  - (5) What is training ?
  - (6) What is conversion ?
- (B) Explain in detail. (Any **Two**) **12**
- (1) Explain HIPO chart with example.
  - (2) What is testing? Discuss the levels of testing.
  - (3) Explain Warnier-Orr diagram with example.
- 4** (A) Draw context level and all other levels of DFD for library system. **17**
- OR**
- (A) Attempt Any **Two** : **5**
- (1) Discuss the types of system.
  - (2) Difference between logical DFD and physical DFD.
  - (3) What is DFD? List out different symbols used in DFD.
- (B) Answer the following in detail : (Any **Two**) **12**
- (1) Explain the characteristics of system.
  - (2) Discuss about the decision table.
  - (3) Discuss system prototype method.