(b) Explain various types of system maintenance. **4**

9. (a) What levels of quality assurance must a system meet ? Explain. **7**

(b) What do you mean by system testing ? What type of test data in system testing ? Explain. **7**

Roll No. ..... **Exam Code : J-21**

Subject Code—51631

B.C.A. EXAMINATION

(Batch 2018 Onwards)

(Third Semester)

STRUCTURED SYSTEM ANALYSIS & DESIGN

BCA-235

Time : 3 *Hours* *Maximum Marks :* 70

Note : Attempt *Five* questions in all. Q. No. **1** is compulsory. All questions carry equal marks.

1. (a) Differentiate between technical and economic feasibility.

(b) Define Open and Closed Systems with suitable example.

(c) What do you mean by system ? List various components of a system.

(d) What is audit trail ?

(e) What is system planning ?

(f) Differentiate between logical and physical view of data.

(g) What are the aims of structured design ?

7×2=14

Unit I

2. (a) What do you mean by system ? Explain its types and characteristics. **10**

(b) What are the multifaceted roles of a system analyst ? Explain. **4**

3. (a) Explain the steps and activities in the design phase of system development life cycle (SDLC). **10**

(b) What are different methods of information gathering ? **4**

Unit II

4. (a) Write short notes on the following :

(i) Data flow diagram.

(ii) Decision tree.

(iii) Decision table.

(iv) Gantt Charts **4×3=12**

(b) Explain the role of pseudo codes in system development. **2**

5. (a) Define the objectives of feasibility study. What steps are required in feasibility analysis ? **10**

(b) Explain the role of Data Dictionary in Design. **4**

Unit III

6. What is the purpose of cost/benefit analysis ? Explain various steps in cost/benefit analysis. **14**

7. Explain the various requirements of form design. List the three guidelines for good form design. **14**

Unit IV

8. (a) Write short notes on the following :

(i) Test plan

(ii) System Implementation **5×2=10**