

**BCA IInd Semester Examination, 2017**

**BCA -203**

**Paper Third**

**System Analysis and Design**

**Time : 3 Hrs. ]**

**[ M.M. : 70**

**Note : Attempt any five questions.**

1. (a) What is system ? Explain elements and types of a system.  
(b) Explain difference between DSS & MIS.
2. (a) Describe the phases of S.D.L.C.  
(b) Compare waterfall model & spiral model of SDLC.
3. (a) What is system analysis ? Explain the role of qualification of system analyst.  
(b) What is feasibility study ? Explain types of feasibility study.
4. (a) What are interviews & questionnaires ? Explain structure and unstructured questionnaires.  
(b) Compare D.F.D. and decision trees with suitable example.
5. (a) Make a decision tree & structure English for following statements :  
"Bookstores get a trade discount of 25% for 6 or more copies per book title; for order from libraries or individuals 5% discount allowed on order of 6-19 copies per book title, 10% on orders for 20-49 copies per book title & 15% on orders for 50 or more copies per book title."  
(b) Explain review of written documentation, on site observation & background analysis in system analysis phase.
6. (a) What is a form ? Define classifications of a form & requirements of form design.  
(b) Explain input and output design. What are the input media & devices suitable for operation ?
7. Write short notes on any four :  
(b) Characteristics of a system  
(c) Implementation & maintenance  
(d) Data Dictionary  
(e) CRT screen design  
(e) Physical & abstract system  
(f) CBIS