Seat
No.

**B.C.A. (Part - II) (Semester - III) Examination, October - 2017**
**SYSTEM ANALYSIS & DESIGN (Paper - 303)**
**Sub. Code : 63398**

**Day and Date : Tuesday, 31 - 10 - 2017**                                   **Total Marks : 80**
**Time : 10.30 a.m. to 01.30 p.m.**

Instructions : 1)    All questions carries equal marks.
                      2)    Attempt any five questions.
                      3)    Figures to right indicate full marks.

*Q1)*   What do you mean by Requirement Analysis? Explain different techniques used for requirement gathering.                                   **[16]**

*Q2)*   a)   What is need of System Analysis? Explain the role of System Analyst.**[8]**

        b)   Explain different types of system.                                   **[8]**

*Q3)*   What is software system? Describe different phases in SDLC.         **[16]**

*Q4)*   a)   What do you mean by ERD? Explain the need & symbols used in ERD.**[8]**

        b)   What is testing? Explain integration testing in brief.         **[8]**

*Q5)*   a)   What do you mean by Output Design? Explain importance of output design.                                                              **[8]**

        b)   What are the main activities involved in maintenance?         **[8]**

*Q6)*   What is DFD? Draw context level, first level and second level DFD for library system.                                                    **[16]**

*Q7)*   a)   What is file design? Explain different types of files.         **[8]**

        b)   What do you mean by Input validation? Illustrate with example.   **[8]**

*Q8)*   Write notes on (Any Two) :                                          **[16]**

        a)   Feasibility Study.

        b)   Input Design.

        c)   Characteristics of System.

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