

Seat No.	
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B.C.A. (Part - II) (Semester - III)
Examination, October - 2016
SYSTEM ANALYSIS & DESIGN
Sub. Code :63398

Day and Date : Wednesday, 26 - 10 - 2016

Total Marks : 80

Time : 2.30 p.m to 5.30 p.m.

- Instructions :**
- 1) **Attempt any 5 questions.**
 - 2) **Figures in right side indicate full marks.**
 - 3) **All question carries equal marks.**

- Q1) a) Define system. Explain different types of system with example. [8]**
b) What is ERD? Draw ER diagram for bank management system. [8]
- Q2) a) What is SDLC? Explain phases in SDLC with neat diagram. [8]**
b) What do you mean by output design? Explain guidelines for output design. [8]
- Q3) a) What do you mean by file Design? Explain different types of files. [8]**
b) Write difference between sequential and direct file access. [8]
- Q4) Explain different fact finding techniques in software development. [16]**
- Q5) a) What is software testing? Explain types of software testing. [8]**
b) Explain need and importance of software maintenance. [8]

P.T.O.

Q6) Define DFD. What are different symbols used in DFD? Draw various levels of DFD for hospital management system. **[16]**

Q7) a) What is system analysis? Explain role of system analyst in detail. **[8]**
b) Explain need and types of data storage required in system development. **[8]**

Q8) Write short notes on:- (any 2) **[16]**

- a) Characteristics of system.
- b) Economical Feasibility.
- c) Input design.
- d) Validation testing.

