

Seat No.	
----------	--

B.C.A. (Part - II) (Semester - III) Examination, November - 2015
SYSTEM ANALYSIS AND DESIGN (Paper - 303)
Sub. Code : 63398

Day and Date : Monday, 16 - 11 - 2015

Total Marks : 80

Time : 03.00 p.m. to 6.00 p.m.

- Instructions: 1) Solve any five Questions.
2) Figures to the right indicate full marks.

- Q1) a) What do you mean by system? Explain the different Characteristics of System. [8]
b) Explain the role of system analyst in detail. [8]
- Q2) Explain the different Fact finding techniques in detail. [16]
- Q3) What is SDLC? Explain different phases of SDLC with various activities involved in each phase. [16]
- Q4) a) What do you mean by feasibility study? Explain economical feasibility in detail. [8]
b) Draw ER diagram for hospital system. [8]
- Q5) a) Write the guidelines for designing data entry screen. [8]
b) What is report? Explain different types of report. [8]
- Q6) What is file? Explain different types of files. [16]

Q7) a) Explain the advantages and limitations of magnetic tape storage. [8]

b) Explain different types of maintenance. [8]

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

a) Software Testing

b) DFD

c) Types of System



Seat No.	
-------------	--

B.C.A. (Part - II) (Semester - III)**Examination, October - 2016****SYSTEMANALYSIS & 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.



N-575

Total No. of Pages : 2

Seat No.	
----------	--

B.C.A. (Faculty of Commerce) (Part - II) (Semester - III)

Examination, April - 2016

SYSTEM ANALYSIS & DESIGN (Paper - 303)

Sub. Code : 63398

Day and Date : Thursday, 28-04-2016

Total Marks : 80

Time : 11.00 a.m. to 2.00 p.m.

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

- Q1)** What do you mean by feasibility study? Explain different feasibilities considered before development of system. [16]
- Q2)** a) What is system? Explain elements of system. [8]
b) What is file? Explain different types of file. [8]
- Q3)** What do you mean by Computer based system? Explain different phases in SDLC. [16]
- Q4)** a) Draw ERD for library system. [8]
b) What is maintenance? Explain different types of maintenance. [8]
- Q5)** a) What do you mean by Input Design? Explain importance of input validation. [8]
b) What are the main activities involved in requirement analysis process? [8]

P.T.O.

Q6) What is DFD? What are the symbols used for drawing DFD? Draw context level & first level DFD for hospital system. [16]

Q7) a) What is testing? Explain the process of testing in brief. [8]

b) Explain different characteristics of system. [8]

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

a) Fact Finding Techniques.

b) Testing Strategies.

c) Output Design.



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.



P - 489

Total No. of Pages : 2

Seat No.	
----------	--

B.C.A. (Faculty of Commerce) (Part-II)(Semester-III)

Examination, April - 2017

SYSTEM ANALYSIS & DESIGN

Sub. Code : 63398

Total Marks : 80

Day and Date : Wednesday, 26-04-2017

Time : 11.00 a.m. to 2.00 p.m.

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

- Q1) a) Define system. Explain characteristics of system. [8]
b) What is program? Explain need and importance of computer based system. [8]
- Q2) a) What is feasibility study? Explain need and types of feasibility study. [8]
b) What do you mean by DFD? What are the symbols used in DFD? [8]
- Q3) a) What is input design? Explain guidelines for designing data entry screen. [8]
b) Comment - "Report is important tool for decision making". [8]
- Q4) Explain software development life cycle phases with neat diagram. [16]
- Q5) a) What is file designing? Explain importance of index sequential file. [8]
b) What is software maintenance? Explain types of software maintenance. [8]

P.T.O.

Q6) What is software testing? Explain different types of software testing and its importance. [16]

Q7) a) What is output design? Explain different types of output design. [8]

b) Define ERD. Draw ERD for library management system. [8]

Q8) Write short note on (Any 2): [16]

a) Types of interviews.

b) Direct access file.

c) Elements of system.

d) Role of System analyst.

SA - 479

Total No. of Pages : 1

Seat No.	
----------	--

**B.C.A. Commerce (Part - II) (Semester - III) Examination,
May - 2018**

SYSTEM ANALYSIS AND DESIGN (Paper - 303)

Sub. Code : 63398

Day and Date : Tuesday, 08 - 05 - 2018

Total Marks : 80

Time : 03.00 p.m. to 06.00 p.m.

- Instructions :**
- 1) **Attempt any five questions.**
 - 2) **Figures to the right indicate full marks.**

- Q1)** What do you mean by DFD? What are the symbols used for drawing DFD? Draw various levels of DFD's for Hospital system. [16]
- Q2)** a) What is System? Explain different types of system with example. [8]
b) Write difference between sequential and direct file access. [8]
- Q3)** a) What is software testing? Explain types of software testing. [8]
b) What is output design? Write the guidelines for output design. [8]
- Q4)** a) What is maintenance? Explain different types of maintenance. [8]
b) Explain the role of system analyst in detail [8]
- Q5)** Explain different fact finding techniques in detail. [16]
- Q6)** a) What is SDLC? Explain various phases of SDLC. [8]
b) Explain the process of testing in brief. [8]
- Q7)** a) What is report? Explain different types of report. [8]
b) What is ERD? Draw ERD for library system. [8]
- Q8)** Write short notes on (any two) [16]
a) Feasibility Study
b) Input design
c) Requirement Analysis



