

**M.B.A. (GEN.) SEM-III / M.B.A.(HR) SEM-III (2016 Course) CBCS
: SUMMER - 2019**

**SUBJECT: SYSTEM ANALYSIS AND DESIGN
(INFORMATION TECHNOLOGY MANAGEMENT)**

Day: Wednesday
Date: 15/05/2019

S-2019-2207

Time: 02.00 PM TO 05.00 PM
Max. Marks: 60

N.B.:

- 1) Answer ANY THREE questions from Section I. Each question carries 10 Marks
- 2) Answer ANY TWO questions from Section II. Each question carries 15 Marks.
- 3) Answers to Both the sections to be written in **SAME** answer books
- 4) Draw a labeled diagram WHEREVER necessary

SECTION - I

Q.1) Answer the following: (10 Marks X 1 = 10 Marks)

What are the characteristics and elements of information system?

Q.2) Answer the following: (10 Marks X 1 = 10 Marks)

Write down the general phases of system development life cycle.

Q.3) Answer the following: (10 Marks X 1 = 10 Marks)

Elaborate the different types of systems.

Q.4) Answer the following: (10 Marks X 1 = 10 Marks)

Explain in detail the concept of User Interface Design? With the help of an example explain the two categories of User Interface Design?

Q.5) Write short notes on the following: Attempt ANY TWO (5 Marks X 2 = 10 Marks)

- a) Functional Decomposition Diagram
- b) Structured English
- c) Feasibility Study

SECTION - II

Q.6) Answer the following: (15 Marks X 1 = 15 Marks)

Income tax is computed on taxable salary is as under

If salary is less than 1, 80,000/- then tax is Nil.

If salary is greater than 1, 80,000/- and less than 1, 90,000/- then tax is 10%.

If salary is greater than 1, 90,000/- and less than 2, 80,000/- then tax is 20%.

If salary is greater than 2, 80,000/- then tax is 30%.

Physically disabled person gets 10% rebate on the tax.

The surcharge is charged 5 % whose Salary is Greater than 1, 80,000/-

- (a) Draw Decision Tree. (b) Draw Decision Table.

Q.7) Answer the following: (15 Marks X 1 = 15 Marks)

A university maintains data about the following entities with attributes :

- I. Course Number, title, credits, syllabus and prerequisites
- II. Course offered Course number, year, semester, instructor, timings and classroom
- III. Student Student-id, name and degree program
- IV. Instructor Identification number, name, department and title

The enrollment of students in courses and grades awarded to students in each course must be appropriately recorded. Construct an E-R diagram for the university using standard notation.

Q.8) Answer the following: (15 Marks X 1 = 15 Marks)

Prepare a questionnaire for employee satisfaction with respect to performance appraisal techniques employed in an organization.
