

## **Program: BCA - Semester- IV**

**Code No: 4.1**

**Software Engineering**

**Attempt any TWO questions from the following:**

**Assignment No.1**

What is system Analyst? What kind of management skills would you look for him or her?

**Assignment No-2**

What are decision trees? Explain the use of decision trees in software structuring.

**Assignment No-3**

Write short notes on Any Two of the following.

- a. Prototype modeling
- b. Spiral model
- c. Structured English
- d. White box testing

**Code No: 4.2**

**Data Communication and Networking**

**Assignment No.1**

What is computer network? What are its main components?

**Assignment No.2**

Define WAN. Give its advantages and disadvantages.

**Assignment No.3**

Write short note on any two:

- a. Features of X.25
- b. SDLC
- c. FTP

**Code No: 4.3**

**Business Information System and Oracle**

**Assignment No.1**

Explain date and string functions with example.

**Assignment No 2**

Write short note on any two:

- a) Index and view
- b) Update and delete
- c) Law of Requisite Variety

**Assignment No 3**

Define Cursor. Explain types of cursor with example.

**Code No: 4.4**

**Marketing Management**

**Assignment No 1**

Explain duties and responsibilities of a marketing manager of an IT company of your choice.

**Assignment No 2**

What is market segmentation? Is it different from product differentiation? Explain bases for segmentation the market for toothpaste market?

**Assignment No 3**

Write short note on the following:

- a) Marketing Vs. Selling
- b) Price Mix

**Code No: 4.5**

**Visual Programming**

**Assignment No.1**

What do you mean by Visual Programming? Discuss the features of VB.

**Assignment No. 2**

Write a note on

- a) Toolbars in VB
- b) User defined data types

**Assignment No. 3**

Write a short note on any two of the following:

- a) Error handling in VB
- b) Data functions in VB
- c) Tab order

**Code No: 4.6**

**Computer Oriented Statistical Methods**

**Assignment No.1**

What is secular trend? Explain any one method of measuring the trend of a time series.

**Assignment No. 2**

Discuss the scope of statistics in industry and Computer Science.

### Assignment No. 3

The following table shows number of farmers insured between Rabi 2006-2007 and Rabi 2009-2010 (7 seasons) of different states.

<b>States</b>	<b>No. of farmers Insured (lakhs)</b>
Andhra Pradesh	56
Chattisgarh	16
Gujrat	36
Karnataka	21
Orissa	32
West Bengal	16
Maharashtra	79

Represent the above by a suitable bar diagram.