MARKS:- 15   **Duration:- 45 minutes**

‒‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒ ‒‒‒

Q. 1) Answer (ANY 3) of the following:-

a) What do you understand by delegation of Authority? How can you make
   effective delegation?   (5 mks)

b) Define Motivation. Explain characteristics of Motivation.   (5 mks)

c) i) Write a short note on Organisation Chart?   (3 mks)

  ii) Differentiate between Authority and Responsibility.   (2 mks)

d) Write a note on Maslows Theory of Motivation.   (5 mks)

***** best of luck ******

COMPUTER NETWORKS

Duration: 45 minutes   Marks: 15

Q.I) Answer the following :
    a) Define TIR, Noise.   (2)
    b) Differentiate between Fiber optics and copper wire.   (2)
    c) What is Piggybacking.   (1)

Q.II) Answer the following (Any two) :   (2x5 = 10)
    a) Briefly explain Point-to-Point Protocol.
    b) Explain character Stuffing and Bit Stuffing.
    c) Briefly describe A Simplex Stop-and-Wait Protocol.

-------------------------- ALL THE BEST --------------------

SOFTWARE ENGINEERING

Duration: 45 minutes   Marks: 15

Q.1.   Draw activity diagram of Facebook.   (5 mks)

Q.2.   Write down the proper format of SRS.   (3 mks)

Q.3.   Draw a Usecase for Restaurant Billing System.   (5 mks)

Q.4.   Explain class diagram.   (2 mks)

------------------------- ALL THE BEST -------------------------

MARKS:- 15   **Duration:- 45 minutes**

-- -- -- -- -- -- -- -- -- -- ---Q. 1)

Q. 1) Answer the following in one sentence each.   (5 mks)

1. What is a Press Release?

2. What is the meaning of Netiquette?

3. Write the other word for Fax and What is it used for?

4. Define an Oral Report.

5. What is a Note of Dissent in a Report?

Q. 2) A) Prepare a Press Release on the following: (5 mks)
       Visit to your organization by a VIP

                    OR
   B) Draft an advertisement to sell: (5 mks)
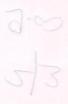   Shampoo.

   Features: 1) Extracts of Amla and Shikakai
             2) Continuous use makes hair healthy, smooth and silky.
             3) Stops hairfall.

Q. III) Write a short note on Do's and Dont's in an E-mail.   (5 mks)

**** best of luck ********

G.V.M.'s G.G.P.R. COLLEGE OF COMMERCE AND ECONOMICS

FARMAGUDI - PONDA

ISA III of B.C.A. SEMESTER IV

DATA ANALYSIS AND STATISTICAL TECHNIQUES

Duration: 45mins   Max. Marks: 15

Answer the following:

The success of a shopping center can be represented as a function of the distance (in miles) from the center of the population and the number of clients (in hundreds of people) who will visit. The data is given in the table below:

No. Customer (x)	8	7	6	4	2	1
Distance (y)	15	19	25	23	34	40

1. Calculate the linear correlation coefficient.   (4)

2. If the mall is located 2 miles from the center of the population, how many customers should the shopping center expect?   ($2\frac{1}{2}$)

3. To receive 500 customers, at what distance from the center of the population should the shopping centre be located?   ($2\frac{1}{2}$)

The result of throwing two dice 120 times is represented by the table:

Sums	2	3	4	5	6	7	8	9	10	11	12
No. of Times	3	8	9	11	20	19	16	13	11	6	4

4. Calculate the mean and standard deviation.   (4)

5. Find the percentage of values in the interval $(x - \sigma, x + \sigma)$.   (2)

-----All the best!-----