

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

PONDA - GOA

INTRA SEMESTER ASSESMENT TEST - I

B.C.A. SEMESTER IV JANUARY 2013

DATA ANALYSIS & STATISTICAL TECHNIQUES

Duration: 45 mins

Max. Marks: 15

Answer the following:

1. A company has two plants to manufacture scooters. Plant A manufactures 70% of the scooters and Plant B manufactures 30%. At Plant A, 80% of the scooters produced are of standard quality and at Plant B, 90% of the scooters produced are of standard quality. A scooter is picked at random and found to be of standard quality. What is the chance that it has come from Plant B? (5)
2. A box contains 12 items of which 3 are defective. A sample of 3 items is selected at random from this box. If X represents the number of defective items in the 3 selected items, describe the random variable X completely and obtain its expectation. (5)
3. A discrete random variable X has mean equal to 6 and variance equal to 2. If it is assumed that the distribution of X is binomial, what is the probability that (i) $5 \leq X \leq 7$? (ii) $X < 9$? (5)

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

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FARMAGUDI, PONDA
INTRA SEMESTER ASSESMENT TEST - I
B.C.A. SEMESTER IV JANUARY 2013
MANAGEMENT FUNCTIONS

MARKS:- 15

Duration:- 45 minutes

Q. 1) Answer the following in One to Two sentences.

- 1) "Planning is goal Oriented". Explain. (1 mk)
- 2) What is Long Term Planning? Give one example of Long Term Plan. (1 mk)
- 3) Differentiate between Proactive Planning and Reactive Planning. (1 mk)
- 4) Management is continuous process. Explain. (2 mks)

Q. 2) Answer (Any Two) from the following: (5 x 2)

- 1) Do you agree that "Planning is a bridge between the present and the future". Explain.
- 2) Explain the concept of MBO. Briefly examine its merits and demerits.
- 3) "The concept of MBO has made management more result oriented". Comment.

**** best of luck ****

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INTRA SEMESTER ASSESSMENT TEST - I
B.C.A. SEMESTER IV

JANUARY 2013

TECHNICAL WRITING SKILLS

Duration: 45 minutes

Marks: 15

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- I. Fill in the blanks. (5)
1. Language full of technical and special words pertaining to a profession is called _____
 2. The full form of the letter form N.O.M.A. is _____
 3. Basic parts of a Business Letter are _____
 4. The four C's of commercial correspondence are _____
 5. Two types of Letters of Application are _____
- II. Answer the following : (5)
1. Write a detailed note on Testimonials and References.
- III. Formal Letter. (5)
1. Draft a letter to the Editor of The Navhind Times complaining about the erratic (irregular) water supply in your locality.

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INTRA SEMESTER ASSESMENT TEST - I
B.C.A. SEMESTER IV JANUARY 2013
COMPUTER NETWORKS

MARKS:- 15

Duration:- 45 minutes

Q. 1) Answer the following:-

- A) Why are Protocols needed. (1 mk)
- B) For an n devices in a Network, What is the number of cable links required for a mesh and ring topology. (1 mk)
- C) Define Error control. (1 mk)
- D) The period of signal is 200ms. What is its Frequency in Kilohertz? (1 mk)
- E) What are the two types of Line Configuration? (1 mk)

Q. 2) Answer the following (ANY TWO): (2 x 5 = 10)

- A) Explain in detail physical layer of OSI Reference model.
- B) Write a short note on TCP/IP Reference Model.
- C) What are the responsibilities of the transport layer in the OSI Reference Model.

***** all the best *****

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INTRA SEMESTER ASSESSEMENT TEST – I
B.C.A. SEMESTER IV JANUARY 2013
SOFTWARE ENGINEERING

MARKS:- 15

Duration:- 45 minutes

- Q. 1) Define Software Engineering ? (1 mk)
- Q. 2) Define Software Process ? (1 mk)
- Q. 3) Explain the type of Software & Characteristics of Software. (3 mks)
- Q. 4) Explain Motivation & limitation of Software engineering ? (3 mks)
- Q. 5) Describe Spiral Model ?

OR

Describe SDLC ? (5 mks)

- Q. 6) According to you which is best model for Software Engineering. Why ?
(2 mks)

*** best of luck ***