G.V.M.S. G.G.P.R. College of Commerce and Economics
Farmagudi, Ponda-Goa.
B.C.A. (Semester IV) Intra Semester Assessment (ISA)test I, January 2018

COMPUTER NETWORKS

Duration: 45 minutes Marks:15

1. State and explain the three types of data transfer techniques. (5 mks)
2. With a neat diagram explain Star Topology. (3mks)
3. What are the responsibilities of session layer? Explain . (3 mks)
4. What is the purpose of FTP protocol? (1 mks)
5. Explain in detail Twisted pair cables and its types. (3 mks)

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TECHNICAL WRITING SKILLS

Duration: 45 minutes Marks:15

Q. 1) Fill in the blanks: (3 x 1 = 3)

1. In business letters if we start from the top of the page _____ comes first.
2. _____ on letter helps to trace previous correspondence on the same topic.
3. The four Cs of Commercial correspondence

i) Clarity, ii)_____ , iii) Correctness, iv) Courtesy.

Q. 2) State whether following statements are true or false. (2 x 1 = 2)

1. The confidential and private letters are one and same.
2. Commercial Jargon was at the height of its glory during Renaissance Period.

Q. 3) Answer ANY TWO. (2 X 5 = 10)

1. Write a note on four-Cs of Commercial correspondence.
2. Write a note on functions of business letter.
3. What is the position, contents & Significance of the inside address.

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MANAGEMENT FUNCTIONS

Duration: 45 minutes Marks:15

Q. 1) "Management is universal" Explain the statement. (3 mks)

Q. 2) Why is planning the primary function of management. (4 mks)

Q. 3) What do you mean by management by objectives? (2 mks)

Q. 4) Explain any four types of Planning. (3 mks)

Q. 5) Explain the limitations of MBO. (3 mks)

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SOFTWARE ENGINEERING

Duration: 45 minutes Marks:15

Q.1) Define Software Engineering. (2 mks)

Q.2) Explain Motivation and Challenges of Software Engineering (5 mks)

Q.3) Define Software and explain the types of software. (3 mks)

Q.4) Explain Spiral Model with neat Diagram (5 mks)

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GVM's GGPR College of Commerce and Economics,
Farmagudi, Goa.

A semester 4, ISA - Test I, Jan. 2018,

Course Title: Data Analysis and Statistical Techniques.

arks = 15 Duration = 45 min

Answer the following questions

In a random experiment, $P(A) = \frac{1}{12}$, $P(B) = \frac{5}{12}$ nd $P(B/A) = \frac{1}{15}$, find $P(A \cup B)$. (3 marks)

Write the sample space associated with the xperiment of tossing 3 coins at a time and the vent of getting first two heads. Also find the rresponding probability. (3 marks)

Births in a hospital occur randomly according to the son distribution at an average rate of 1.8 births per hour. hat is the probability of observing more than or equal to 2 irths in a given hour at the hospital? (3 marks)

ake $e = 2.71$.

There are 4 candidates for the office of the commissioner. e respective probabilities that they will be selected are ,, .2, .4 and .1 and the probabilities for a project's proval are .35, .85, .45 and .15 depending on which these 4 candidates is selected. what is the probability the project getting approved? (3 marks)

A and B are two events associated with an experiment. f $P(A) = .4$ and $P(A \cup B) = .7$, find $P(B)$ if (i) A and B re mutually exclusive (ii) A and B are independent. (3 marks)