

G.V.M's G.G.P.R. College of Commerce and Economics

Farmagudi-Goa

BCA(Semester IV)Intra Semester Assessment(ISA)-(Test-III)March 2017

TECHNICAL WRITING SKILLS

MARKS: 15

TIME: 45 Minutes

Q.1) Fill in the blanks and re-write the statements. (5 marks)

1. _____ reports are those required to be written by law.
2. _____ reports are more impersonal in tone and formal in phraseology.
3. When a member from a committee differs from the general opinion, his opinions are written on a _____.
4. A report written by an individual may be sent in the form of a _____.
5. The reports written for smooth functioning of a company are _____.

Q. 2) Answer any two of the following questions. (5 x 2 = 10)

- A. You are the Principal of a College. Write a warm testimonial for Miss Naik who has applied for the Post of confidential clerk in Pan cosmetics, Panjim.
- B. As the manager of the production Department, draft a reprimand memo to a manager who is irregular to work.
- C. As the Managing Director of the Company draft a show cause Mamo to an Office assistant for being arrogant and using abusive language towards his supervisor. Ask for an explanation in stern tone.

COMPUTER NETWORKS

MARKS: 15

TIME: 45 Minutes

I. Fill in the Blanks (3x1=3)

1. _____ deals with determining how packets will be transferred from source to destination..
2. when a user logins to a remote server he should be **authenticated** before getting access to the files and application programs deals by _____.
3. This layer is concerned with the syntax and semantics of the information transmitted_____.

II. Answer the Following questions.(any 3) (3x2=6)

1. What are the services provided by the network layer?(2 marks)
2. Explain physical layer. (2 marks)
3. Explain session layer. (2 marks)

III. Answer the Following questions.(any 2) (2x3=6)

1. What are the functions of transport layer ? (3 marks)
2. State congestion control in detail. (3 marks)

..... ALL THE BEST.....

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DATA ANALYSIS AND STATISTICAL TECHNIQUES MARKS: 15

TIME: 45 Minutes

1. If the mean of a binomial distribution with 6 trials is 2, find the probability of at least 5 successes. (4 mks)

OR

2. An urn contains 2 white balls and 3 black balls. A ball is drawn at random, its colour noted and is replaced in the urn. If 4 balls are drawn in this manner, find the probability distribution if success denotes finding a white ball. (4 mks)

3. A random variable X follows Poisson distribution with parameter $\lambda=3$. Find $P(2)$ and $P(x \leq 2)$. (4 mks)

OR

4. A machine producing bolts is known to produce 2% defective bolts. What is the probability that a consignment of 400 bolts will have exactly 5 defective bolts? (4 mks)

5. The heights of 10000 people are distributed normally with mean 172cm and standard deviation 5cm. How many people will have height greater than 180cm and how many will have height less than 164cm. (Given standard normal variate between $Z = \pm 1.6$ is 0.8904) (5 mks)

6. Runs scored by a team in five completed innings out of 20 completed innings in year 2010 are 286, 334, 420, 274, 189. Estimate the average runs scored by the team in all the completed innings in the year 2010. (2 mks)

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

G.V.M'S G.G.P.R. COLLEGE OF COMMERCE & ECONOMICS
FARMAGUDI, PONDA
INTRA SEMESTER ASSESSMENT TEST - III
B.C.A. SEMESTER IV, MARCH 2017
MANAGEMENT FUNCTIONS

MARKS :- 15

Duration:- 45 minutes

Q.1. Answer the following:

- a) Explain in brief "Process of Decision Making" with the help of diagram? (6 marks)
- b) "Effective Delegation helps to achieve Organizational Objectives". With respect to this Statement explains any 5 Guidelines for making delegation more effective? (5 marks)
- c) Distinction between Centralization & De-centralization with respect to the following points. (4 marks)
- 1) Meaning
 - 2) Cost
 - 3) Suitability
 - 4) Control

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**INTRA SEMESTER ASSESSMENT TEST-3
SEMESTER IV
MARCH 2017**

**S.Y.B.C.A.
SOFTWARE ENGINEERING**

MARKS:- 15

Duration:- 45 minutes

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ANSWER THE FOLLOWING :-

1. Why UML is required in Software Development ? (2 mks)
2. Draw the Sequence diagram with object representation, life line and activation boxes for Library Management System. (3 mks)
3. Draw the Class diagram with attributes, operations, associations, aggregation and generalization for a Furniture Shop. (3 mks)
4. Draw the Activity diagram with start state, end state, activities state, flow lines, swim lanes, fork and join for a Railway Reservation System. (3 mks)
5. Explain the detailed format of SRS for a Shopping Cart. (4 mks)
