

**Goa Vidyaprasarak Mandal's**

**GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND ECONOMICS**

**FARMAGUDI, PONDA - GOA**

**B.C.A. CBCS (SEMESTER-IV) INTRA SEMESTER ASSESSMENT (ISA) I- ASSIGNMENT, FEBRUARY 2024**  
**DATA COMMUNICATION**

**DURATION – 45 minutes**

**MARKS: 20**

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**Q.1) Define the following terms** (1 x 5 = 5 mks)

- a) Data Communication
- b) ISP
- c) Network
- d) Half duplex
- e) ARP

**Q.2) Differentiate between** (2 x 2 = 4 mks)

- a) Mesh Topology and Star Topology
- b) LAN and MAN

**Q.3) What is protocol? List the key elements of protocol.** (2 mks)

**Q.4) Describe the components of data communication.** (3 mks)

**Q.5) Explain the use of logical address in data communication with an example.** (3 mks)

**Q.6) Explain the OSI model with a neat diagram.** (3 mks)

**OR**

**Q.6) Explain TCP/IP model with neat diagrams.** (3 mks)

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B.C.A. CBCS (SEMESTER-IV) INTRA SEMESTER ASSESSMENT (ISA) I, FEBRUARY 2024  
IT IN MANAGEMENT**

**Duration- 45 mins**

**Marks – 20**

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Q1. What is IT infrastructure?	<b>(2 marks)</b>
Q2. Explain the Role of Computer in modern business with an example	<b>(2 marks)</b>
Q3. What are the components of information system?	<b>(2 marks)</b>
Q4. Explain the three drivers of Business Value of IT.	<b>(3 marks)</b>
Q5. What are the different ways a businessman can use IT in business.?	<b>(3 marks)</b>
Q6. Explain in Brief Business Value of IT.	<b>(4 marks)</b>
Q7. Explain in Brief any 2 classification of information System.	<b>(4 marks)</b>

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B.C.A. CBCS (SEMESTER-IV) INTRA SEMESTER ASSESSMENT (ISA-I) TEST, FEBRUARY 2024  
SOCIAL ENGINEERING**

**DURATION – 45 minutes**

**MARKS: 20**

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**Q.1) Define the following terms (4mks)**

- a) Social Engineering
- b) Hoaxing attack
- c) Elicitation
- d) Micro expressions

**Q.2) Differentiate between the following attacks (2mks)**

- a) Active Eavesdropping and Passive Eavesdropping.
- b) Phishing and Spear Phishing.

**Q.3) Explain any two types of Social Engineers. (3mks)**

**Q.4) Explain any two DHS scenarios for making a successful Elicitation. (3mks)**

**Q.5) Describe any two sources for Information gathering. (4mks)**

**OR**

**Q.5) Describe the steps in developing a communication model with the help of an example. (4mks)**

**Q.6) Explain the Social Engineering Life Cycle. (4mks)**

**OR**

**Q.6) Explain Dumpster diving attack with the help of an example. List any one impact caused and one possible prevention measure for this attack. (4mks)**

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**B.C.A. CBCS (SEMESTER-IV) INTRA SEMESTER ASSESSMENT (ISA – I), FEBRUARY 2024  
CAC-113 SOFTWARE ENGINEERING**

**DURATION – 45 minutes**

**MARKS: 20**

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- 1) Define Software Engineering. (2)
- 2) Define Reliable Software. (2)
- 3) Differentiate Between Prototyping Model and Evolutionary Model. (3)
- 4) Answer any 2 of the following. (4\*2=8)
  - a) With the help of a diagram, Explain the stages of software Development Life Cycle(SDLC).
  - b) With the help of a diagram, Explain Waterfall Model.
  - c) What is Version Control System (VCS)? Explain the types of Version Control Systems.
- 5) Explain Release Management in brief. (5)

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Gopal Govind Poy Raiturcar College of Commerce and Economics  
Farmagudi-Ponda, Goa.**

**B.C.A. CBCS (Semester-IV) Intra Semester Assessment (ISA) I-Test. FEBRUARY 2024  
Technical Writing Skills**

**Duration: 45 minutes.**

**Marks: 20**

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**1. State whether the following statements are True or False. (1×6=6)**

- a. Salutation is the counterpart of personal greetings to the addressee in social life.
- b. Originality makes a business letter more appealing.
- c. Delayed response shows the ineffectiveness of the letter.
- d. Signature is always written in handwriting.
- e. Right to Information Act 2005 mandates timely response to citizen requests for government information.
- f. The tone of the business letter should always be affirmative and bossy.

**2. Answer any THREE from the following questions. (3×3=9)**

- a. What do you mean by the effectiveness of a business letter?
- b. Explain, "send telegrams not essays."
- c. What do you mean by coherence of the language? Give an example.
- d. In what context, "Be conscious that the reader does not have much time." has been used?
- e. Define Letterhead and mention key elements it must have.

**3. Answer any ONE of the following questions. (5×1=5)**

- a. Write a cover letter for the position of a Web Developer, at Aquavelly, Bangalore.
- b. Draw a formal letter layout and mark the parts of the letter.