



RAN-2311000901030001

F.Y.B.C.A. (Sem. I) Examination November - 2025

Minor - 103 - Introduction to Computers

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

(1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the above details on your answer book

Seat No.:

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Student's Signature

Q.1 [A] Choose the correct option. (Any Five) [05]

- Which of the following best describes the “Accuracy” characteristic of computers?
 - Performing tasks quickly
 - Storing large amounts of data
 - Producing results with minimal errors
 - Connecting to the internet
- CRT stands for
 - Cathode right tube
 - Cathode ray table
 - Cathode ray tube
 - Cathode ray task
- What is the primary purpose of cache memory?
 - To store data permanently
 - To increase the capacity of main memory
 - To speedup data access by storing frequently used data
 - To provide backup power
- What is the primary function of a URL?
 - To send emails
 - To search for files on a computer
 - To locate and access resources on the internet
 - To store data
- How is the number 15 represented in binary?
 - 1111
 - 1000
 - 1010
 - 1100
- _____ is a technology that uses remote servers on the internet to store, manage, and access data online rather than local drives.
 - Cloud
 - Router
 - URL
 - Domain
- Which of the following is an example of an output device used for audio?
 - Speaker
 - Headphones
 - Both A and B
 - None of the above

Q.1 [B] Write Answer in short. (05)

- What is System Software?
- What is Volatile Memory?
- What is base in any Number System?
- Give the Full Form of LED, OLED.
- What is the Use of router?

- Q.2 [A]** (1) Explain Various types of Computers. [05]
 (2) Explain various storage Devices. [05]
OR
- Q.2. [A]** (1) Explain Block diagram of computer system with its functional units [05]
 (2) Explain Various types of memory in computer system. [05]
- Q.2. [B]** (1) Discuss the various characteristics of Computer. [03]
 (2) Differentiate Virtual Memory and Cache Memory [03]
OR
- Q.2. [B]** (1) Explain Address Bus and Data Bus. [03]
 (2) Write a Note on Applications of Computer. [03]
- Q.3. [A]** (1) Explain different types of pointing devices. [05]
 (2) What do you mean by cloud? Explain Various Application of Cloud. [05]
 Discuss various Advantages and Disadvantages of cloud.
OR
- Q.3. [A]** (1) What are the different types of printers, and how do they vary in terms of [05]
 technology and application?
 (2) What do you mean by Web Browser? List out the names of Web browser. [05]
 Discuss the various terminologies of web browser.
- Q.3. [B]** (1) Explain OCR and OMR. [03]
 (2) What is Internet? Explain the types of internet services with Example. [03]
OR
- Q.3. [B]** (1) Write a short note on Working of FAST Tag. [03]
 (2) Write a short note on Online Data Backup [03]
- Q.4. Answer the following (Any Four) [08]**
- (1) $(101011001)_2 = (?)_{10}$
 - (2) $(1452)_{10} = (?)_2$
 - (3) Add binary numbers $(10110101)_2$ and $(1101001)_2$
 - (4) Subtract: $(10101)_2$ from $(101011)_2$
 - (5) $(10110101)_2 = (?)_{10}$
 - (6) $(501)_{10} = (?)_2$.