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B. C. A F.Y (Sem – I)
Examination December-2023
Introduction to Computers

Seat No:

Student's Signature

[**Time: Three Hours**]   [**Max. Marks: 70**]

Instructions: 1. All questions are compulsory.
2. Figure to the right indicate full marks.
3. Mention your options clearly.
4. Question 1-A is of MCQ type, Mention question number and appropriate answer in answer book

Q.1   A   Select Correct option for given question.   **10**

1.   Which one is not a web browser?
a.   Google chrome   b. Mozilla Firefox   c. Internet explorer   d. Windows XP

2.   A half byte is known as ____
a.   Nibble   b. Data   c. Bit   d. Half Byte

3.   _____ Processor is used mainly for games and uses parallel instruction.
a.   CPU   b. RAM   c. GPU   d. DVD

4.   Which of the following is not part of CPU:
a.   CU   b. ALU   c. Registers   d. RAM

5.   _____is a technology that uses remote servers on the internet to store, manage, and access data online rather than local drives.
a.   Cloud   b. Router   c. URL   d. Domain

6.   Circular concentric lines on the disk which helps in data storage are called as _____.
a.   sector   b. platters   c. shaft   d. track

7.   Wi-Fi stands for _____
a.   Wireless Fidelity   b. Window index- Fundamental in   c. Wireless Firm   d. Wireless Field

8.   _____is used for storing frequently used instruction for faster access.
a.   ROM   b. RAM   c. Hard Disk   d. Cache

9.   Which of the following can be output by a computer?
a.   Graphics   b. Voice   c. Text   d. All of these

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10. Which of the following is not an octal number?
a.   534   b. 8AF   c. 162   d. 760

Q.1 **B**   Answer in short (Any 5)   **10**
1.   Difference between direct and indirect addressing mode
2.   What is RFID?
3.   Define term software? List types of software.
4.   What is flash memory?
5.   What is data bus and address bus?
6.   What is volatile memory?

Q.2   Answer in Detail (Any 3)   **18**
1.   Explain computer on basis of speed and capacity
2.   What is ROM? Types of ROM
3.   List various categories of scanner. Explain its working in detail
4.   Explain about different types of monitors.
5.   Draw a block diagram of Computer and explain its functional units.

Q.3   Write Short Note On: (Any 2)   **12**
1.   Secondary storage devices
2.   Dot Matrix Printer
3.   Modem
4.   Applications of Computer

Q.4   Write Difference Between: (Any 2)   **08**
1.   CD ROM Vs. DVD ROM
2.   Primary Vs. Secondary Memory
3.   Laser Vs. Inkjet Printer
4.   Virtual Vs. Cache Memory

Q.5   Do as Directed (Any 4)   **12**
1.   Subtract $(11001)_2$ from $(100110)_2$
2. $(299.27)_{10}= (?)_2$
3.   Add binary numbers $(10011)_2$ and $(11001)_2$ in both decimal and binary forms.
4. $(144)_{10} = (?)_2$
5. $(101101101)_2 = (?)_{10}$
6. $(100010)_2= (?)_{10}$