

1811000101030001
First Year B.C.A (Sem-I)
Examination March-2023
Introduction to Computers

Seat No:

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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 is of MCQ type, Mention question number and appropriate answer in answer book

Q.1 A. Do As Directed:

10

1.is a volatile and stores the data while executing a program.
A. ROM B. EPROM C. RAM D. EEPROM
2. The high speed memory between the main memory and CPU is called.
A. Register Memory B. Storage Memory
C. Cache Memory D. Virtual Memory
3. Which of the following is designed to control the operations of a computer?
A. Application Software B. Utility software
C. System Software D. User software
4. Which of the following is not Secondary memory?
A. Hard Disk B. DVD C. USB D. DRAM
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. Domain D. URL
6. Full Form of ANSI is:
A. American National Standard Institute.
B. American National Standards Information
C. American National Standards Internet.
D. None of Above.
7. Web browser is useful for -----
A. To open a website B. For email
C. For Downloading D. All of Above
8. What is the biggest binary number you can write with 6 bits?
A. 62 B. 63 C. 64 D. 65

9. Which of the following is not a positional number system?
A. Roman Number System B. Binary Number System
C. Octal Number System D. Hexadecimal Number System
10. Ultraviolet rays are used to erase the data of the chip before it is reprogrammed.
A. EPROM B. CD C. EEPROM D. DVD

B. Answer the following in short: (any 5)

10

1. What is software? List types of software.
2. State the difference between Address bus and Data bus.
3. What do you mean by character codes? How many bits are used to represent ASCII character codes?
4. What is Volatile Memory?
5. Explain URL with an example.
6. What is web browser? List out the name of Web browsers.

Q.2 Answer The Following Questions In Detail: (Any Three)

18

1. Draw a block diagram of Computer and explain its functional units.
2. Explain different types of computers.
3. Explain different types of Memory in Computer System.
4. What do you mean by cloud? Explain various application of cloud. Discuss the Advantages and disadvantages of cloud
5. Explain Scanner in detail.

Q.3 Write Short Note: (Any Two)

12

1. Characteristics and Applications of Computer
2. Working of FAST Tag
3. Online Data backup
4. Motherboard

Q.4 Differentiate between following (Any Two)

08

1. CRT Vs LCD
2. Virtual Memory Vs Cache Memory
3. Inkjet Printer Vs Laser Printer
4. CPU Vs GPU

Q.5 Attempt The Following (Any Four)

12

1. $(1543)_{10} = (?)_2$
2. Subtract: $(10111)_2$ from $(11011)_2$
3. Add binary numbers $(100111)_2$ and $(11011)_2$
4. $(11001100.110)_2 = (?)_{10}$
5. $(542)_{10} = (?)_2$
6. $(101111)_2 = (?)_{10}$