

2311000901030001
B.C.A. (NEP) (Sem – I)
Examination December - 2023
Minor-103-Introduction To Computers

Seat No:

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[Time: Two hours]

[Max. marks: 50]

Student's Signature

Q.1 Choose the correct option. (10)

- 1) Which of the following refers to the memory in computer?
 - A. VGA
 - B. CPU
 - C. RAM
 - D. All of these

- 2) RAM is _____ and _____.
 - A. volatile, temporary
 - B. non-volatile, temporary
 - C. volatile, permanent
 - D. non-volatile, permanent

- 3) SRAM stands for _____.
 - A. Static Random Access Memory
 - B. Static Read Access Memory
 - C. Stable Random Access Memory
 - D. Static Random Arithmetic Memory

- 4) Which of the following is a Permanent Memory in the computer?
 - A. RAM
 - B. CPU
 - C. ROM
 - D. Cache

- 5) Which part of CPU performs mathematical operations?
 - A. CU
 - B. Registers
 - C. ALU
 - D. RAM

- 6) Which of the following is not an octal number?
- A. 435
 - B. 706
 - C. 8CD
 - D. 126
- 7) The internet is _____
- A. An internal communication system.
 - B. A communication system for the Indian Government.
 - C. A large network of networks
 - D. All of these
- 8) From the following which one is not Web Browser?
- A. Window XP
 - B. Google Chrome
 - C. Mozilla Firefox
 - D. Internet Explorer
- 9) From the following, which one is not hardware?
- A. Router
 - B. Microsoft PowerPoint
 - C. Bluetooth
 - D. Modem
- 10) Where RFID tags are used?
- A. Mining
 - B. Asset tracking
 - C. Vehicle tracking
 - D. All of the above

Q.2 Answer the following: (Any Two) (14)

- 1) Explain different types of Memory in Computer System.
- 2) Explain Online Data backup in Detail.
- 3) Explain various types of Computers.
- 4) What is RFID? Explain working of FAST Tag.

Q.3 Do as Directed (Any Two) (14)

1. Write short note on
 - a) OCR Vs OMR.
 - b) CPU Vs GPU
2. Write short note on
 - a) WiFi and Hotspot
 - b) Virtual Memory Vs Cache Memory.
3. Explain Motherboard in Details.
4. Explain about different types of Monitors.

Q.4 **Answer the following (Any Four)** **(12)**

- 1) Add binary numbers $(10100101)_2$ and $(1101011)_2$
- 2) $(101111.101)_2 = (?)_{10}$
- 3) $(514)_{10} = (?)_2$
- 4) $(101011011)_2 = (?)_{10}$
- 5) $(2734)_{10} = (?)_2$
- 6) Subtract: $(10011)_2$ from $(110011)_2$