

RAN-2311001001030001
B.Sc. (Computer Science) (NCF-NEP) (Sem. I) Examination March - 2026
Minor : CS-103 : Fundamentals of Computer
[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.:

Student's Signature

Q.1. Answer the following.
[13]
(A) Answer the following.
[05]

- i. Which type of computer is used for complex scientific calculations?
 - a) Minicomputer
 - b) Microcomputer
 - c) Supercomputer
 - d) Mainframe
- ii. Which memory is non-volatile?
 - a) RAM
 - b) ROM
 - c) Cache
 - d) DRAM
- iii. Which device is commonly used in supermarkets for billing?
 - a) Optical Scanner
 - b) Bar Code Reader
 - c) Web Camera
 - d) Touchscreen
- iv. Wi-Fi is based on:
 - a) Infrared Technology
 - b) Radio Waves
 - c) Satellite Signals
 - d) Fiber-optic Cables
- v. URL stands for:
 - a) User Resource Link
 - b) Uniform Resource Locator
 - c) Universal Retrieval Language
 - d) Unified Routing Link

(B) Answer the following.
[8]

- i. Write any two applications of computers in daily life.
- ii. What is Primary memory? Define virtual memory?
- iii. What is an input device? Give one example,
- iv. Expand RFID.

Q.2. Answer the following (Any Two)
[13]

- (A) Explain the types of computers: Supercomputers, Mainframes, Minicomputers, Microcomputers with examples.

[8]
OR

- (A) Draw a neat block diagram of a computer and explain its functional units.

[8]

- (B) Explain types of memory: RAM, ROM, EPROM, EEPROM with their uses.

[5]

- Q.3. Answer the following (Any Two) [12]**
- (A) Explain the purpose and functions of an Operating System with examples.
 - (B) What is cloud computing? Explain its purpose and applications with examples.
 - (C) Write a short note on applications of computers in business, education, and health care.
- Q.4. Answer the following (Any Two) [12]**
- (A) Explain modem and Bluetooth.
 - (B) What is a barcode reader? State its uses.
 - (C) Write a short note on online data backup services (e.g., Google Drive).
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