24CS-BCAP-MI-01-01003

Seat No. _____

BACHELOR OF COMPUTER APPLICATION-CS Examination

BCA - CS SEMESTER-1 JANUARY 2026 (NEP) JANUARY - 2026

C F & EMERGING TECHNOLOGIES

Faculty Code : 017

Subject Code : 24CS-BCAP-MI-01-01003

Time : 2 Hours] **[Total Marks : 50**

Q.1 (A) Attempt the following. 3

(1) Give the full form of CPU.

(2) Give full form of EPROM

(3) The Arithmetic and Logic Unit (ALU) performs _____ and logical operations.

Q.1 (B) Attempt any one of the following. 2

(1) What are analog and digital computers?

(2) Write the difference between RAM and ROM.

Q.1 (C) Atempt any one of the following. 5

(1) Explain the characteristics of a computer.

(2) Explain the history and generations of computers from first to fifth generation.

Q.2 (A) Attempt the following. 3

(1) Give the full form of MICR.

(2) A group of sectors is called a _____.

(3) A USB pen drive is a magnetic storage device. True or False?

Q.2 (B) Attempt any one of the following. 2

(1) What are tracks and sectors?

(2) Define an input device. Give any two examples.

Q.2 (C) Attempt any one of the following. 5

(1) What is a scanner? Explain types of scanners.

(2) Explain different types of magnetic storage devices.

Q.3 (A) Attempt the following. 3

(1) Give the full form of SGD.

(2) A _____ is used to produce large-scale drawings and maps.

(3) Devices that present processed information to the user are called ____ devices.

Q.3 (B) Attempt any one of the following. 2

(1) Differentiate between impact and non-impact printers.

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(2) What is a plotter?

Q.3 (C) Attempt any one of the following. 5

(1) Explain different types of output devices with examples.

(2) Explain impact printers with examples.

Q.4 (A) Attempt the following. 3

(1) Give the full form of ASCII.

(2) One byte is equal to _____ bits.

(3) What is a parity bit?

Q.4 (B) Attempt any one of the following. 2

(1) What are the differences between a compiler and an interpreter?

(2) What is computer language? Explain machine-level language.

Q.4 (C) Attempt any one of the following. 5

(1) Explain types of operating systems in brief.

(2) Explain uses and applications of software packages.

Q.5 (A) Attempt the following. 3

(1) Give the full form of GIS.

(2) Give the full form of CPM.

(3) CDMA and GSM are mobile communication technologies. True or False?

Q.5 (B) Attempt any one of the following. 2

(1) Define computer virus.

(1) What is backup and restore?

Q.5 (C) Attempt any one of the following. 5

(1) Explain cloud computing with IaaS, SaaS and PaaS.

(2) Explain communication devices in brief.

::: **END OF EXAM** :::

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