



Seat No. \_\_\_\_\_

BACHELOR OF COMPUTER APPLICATIONS Examination  
BCA - CS SEMESTER-I JANUARY 2026 (NIP) JANUARY - 2026  
C P & EMERGING TECHNOLOGIES

Faculty Code : 017

Subject Code : 24CS-BCAP-M1-01-01003

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) Attempt 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.

(2) What is a plotter?

Attempt any one of the following.

- (1) Explain different types of output devices with examples.
- (2) Explain impact printers with examples.

Q.3  
(C)

Q.4  
(A)

Attempt the following.

- (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.

- (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.

- (1) Explain types of operating systems in brief.
- (2) Explain uses and applications of software packages.

Q.5  
(A)

Attempt the following.

- (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.

- (1) Define computer virus.
- (1) What is backup and restore?

Q.5  
(C)

Attempt any one of the following.

- (1) Explain cloud computing with IaaS, SaaS and PaaS.
- (2) Explain communication devices in brief.

\*\*\* END OF EXAM \*\*\*

