

Dr. Babasaheb Ambedkar Open University
Term End Examination February – 2026

Course : BSCIT
Subject Code : BSCIT-105
Subject Name : Computer Fundamentals

Date : 01/03/2026
Time : 11:30am to 01:45pm
Duration : 02.15 Hours
Max. Marks : 70

Section A

Answer the following (Attempt any three)

(30)

1. List and explain functions of an Operating System.
2. Write a short note on the generations of computers.
3. Write short notes on output devices and secondary storage devices.
4. Write short notes on binary and decimal number systems. Give one example of conversion.
5. What is a logic gate? Draw the truth table of AND, OR, and NOT gates.

Section B

Answer the following (Attempt any four)

(20)

1. What are common Pointing Devices?
2. What are types of Operating System?
3. Write the main parts of a computer and explain their basic functions.
4. What is system architecture? Draw and explain the simple block diagram of Functional Components of Computer System (Von Neumann Architecture).
5. What is data processing? Explain functions of machine cycle.
6. Write the difference between system software and application software.

Section C

Part – A (Multiple Choice Questions)

(10)

Q-1 Which of the following is the brain of the computer?

- A) Memory
B) CPU
C) Input Unit
D) Output Unit

Q-2 Which part of the computer is used to store data permanently?

- A) RAM
B) ROM
C) Hard Disk
D) Cache

Q-3 Which unit performs arithmetic and logical operations in a computer?

- A) Control Unit
B) Input Unit
C) ALU
D) Output Unit

Q-4 Which of the following is an example of system software?

- A) MS Word
B) Compiler
C) Photoshop
D) PowerPoint

Q-5 Binary number system uses base:

- A) 2
C) 10
- B) 8
D) 16

Q-6 A truth table is used in:

- A) Memory Management
B) Logic Gates
C) File System
D) Data Processing

Q-7 Which of the following is an input device?

- A) Printer
B) Monitor
C) Scanner
D) Speaker

Q-8 Which of the following is a secondary storage device?

- A) RAM
- B) Cache
- C) Pen Drive
- D) Register

Q-9 The smallest unit of data in a computer is:

- A) Byte
- B) Bit
- C) Word
- D) Nibble

Q-10 Which generation of computers used microprocessors?

- A) First
- B) Second
- C) Third
- D) Fourth

Part – B (State whether the following statements are true or false)

(10)

- 1 CPU stands for Central Processing Unit.
- 2 RAM is a permanent memory.
- 3 Output devices are used to display processed data.
- 4 Application software directly manages hardware.
- 5 Decimal number system is base 10.
- 6 Logic gates are the building blocks of digital circuits.
- 7 A printer is an input device.
- 8 ROM is a volatile memory.
- 9 First generation computers used vacuum tubes.
- 10 A bit is larger than a byte.
