

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

|              |                                                      |            |                      |
|--------------|------------------------------------------------------|------------|----------------------|
| Course       | : BCAR/DCAR                                          | Date       | : 25-Feb-26          |
| Subject Code | : BCAR/DCAR-101                                      | Time       | : 11:30am to 01:45pm |
| Subject Name | : Fundamental of Computer and Information Technology | Duration   | : 02.15 Hours        |
|              |                                                      | Max. Marks | : 70                 |

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**Section A**

**Answer the following (Attempt any three) (30)**

1. What is the concept of Batch processing, time sharing and real time system?
2. Explain the types of Pointing Devices.
3. What do you mean by Dot Matrix Printer? State its advantages and disadvantages.
4. Explain the types of topologies in detail.
5. Explain different types of Internet attacks in detail

**Section B**

**Answer the following (Attempt any four) (20)**

1. Explain the block diagram of computer.
2. What is Character and Mark Recognition Devices? Explain its types.
3. What is ROM? List and explain different types of ROM you know.
4. Describe authentication and authorization in brief
5. Explain data hierarchy in brief.
6. What is DBMS? List and explain types of DBMS.

**Section C**

**Part – A (Multiple Choice Questions) (10)**

- 1 Identify the attribute of the computer, which explains that computer can never tired or boarded to do repetitive tasks.  
A Versatility B Diligence  
C Accuracy D No I.Q.
- 2 Intel 80286 is \_\_\_\_\_ bits computer.  
A 8/8 B 8/16  
C 16/16 D 16/32
- 3 In third-generation computers, \_\_\_\_\_ technology was used.  
A Integrated Circuits B Transistors  
C Vacuum Tubes D None of the above
- 4 \_\_\_\_\_ Printer is faster, producing high quality of printouts.  
A Dot-matrix B ink-jet  
C Laser D None of the above

- 5 \_\_\_\_\_ is used to read UPC.  
A Bar-code reader B MICR reader  
C Flatbed scanner D OMR reader
- 6 \_\_\_\_\_ is used in object tracking or to take attendance of students or employees.  
A Smart-card B Magnetic-strip card  
C RFID tag D Memory-Card
- 7 The resolution supported by SVGA is \_\_\_\_\_ pixels.  
A 800 \* 600 B 1024 \* 768  
C 1280 X 1024 D 1600 \* 1200
- 8 ARPANET stands for  
A Advanced Research Project B Advanced Research Programmed  
Agency Network Auto Network  
C Advanced Research Project D Advanced Research Project  
Automatic Network Authorized Network
- 9 Identify the Invalid IP address from the given below.  
A 192.168.111.1 B 259.37.21.1  
C 8.8.8.8 D 170.16.0.1
- 10 \_\_\_\_\_ network-based operating system is developed by Banyan Systems.  
A NetWare B Windows-NT  
C DOS D VINES

**Part – B (Do as Directed)**

**(10)**

- 1 \_\_\_\_\_ is the first computer programmer.
- 2 MICR stands for\_\_\_\_\_.
- 3 \_\_\_\_\_ is a technology uses radio signals to communicate with a tag attached to any person, animal, vehicle or any other object
- 4 CRT stands for \_\_\_\_\_.
- 5 \_\_\_\_\_ is a network of network, super highway of information.
- 6 An inkjet printer uses toner as its printing medium. (True/False)
- 7 A Trojan horse is a type of virus that self-replicates and spreads across a network. (True/False)
- 8 Denial of service attack is an attack whose main purpose is to disturb device access to an Internet services. (True/False)
- 9 Collection of related fields is called \_\_\_\_\_
- 10 \_\_\_\_\_ is the TLD of your university web site's URL.

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