

Roll No. 

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Total No. of Pages: 02

Total No. of Questions: 07

**Bachelor of Computer Applications / DCA (Sem. – 1)**

**INFORMATION TECHNOLOGY**

**Subject Code: BSBC-104/BSIT-104**

**M Code: 10046**

**Date of Examination : 17-01-23**

**Time: 3 Hrs.**

**Max. Marks: 60**

**INSTRUCTIONS TO CANDIDATES:**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

### SECTION-A

1. Write briefly:

- a) Define cache memory.
- b) Find the decimal equivalent of  $(124)_8$ .
- c) Define OCR and OMR.
- d) List various merits and demerits of the time-sharing operating system.
- e) What is the significance of windows explorer?
- f) What are presentation graphics softwares?
- g) Define mail merge. What is its purpose?
- h) Define WWW. Write its significance.
- i) What is the use of a firewall?
- j) Write the significance of macros.

## SECTION-B

2. What is a computer? How a computer can be used for problem-solving? Explain various generations of computers.
3. Explain various input and output devices used in a computer system.
4. Define windows. What are the various features of window operating system? Write and explain the anatomy of windows.
5. Write notes on the following:
  - a) Applications of internet
  - b) Features of word processing software
6. Differentiate the following:
  - a) Online and real-time operating system
  - b) Network and distributed operating system
7. What is network topology? Write and explain the merits and demerits of various network topologies.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**