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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.