

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

M.Sc. (BT) (Sem.-1)
COMPUTER APPLICATIONS

Subject Code : MBT-105

M.Code : 75663

Date of Examination : 17-01-2023

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SEVEN** questions carrying **SIX** marks each and students have to attempt any **FIVE** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. Answer briefly :

- a. What is Data?
- b. What do you mean by Binary representation of numbers?
- c. What is Byte?
- d. What is ASCII code?
- e. What is Object Oriented Programming?
- f. What are Spreadsheets?
- g. What is function overloading?
- h. How do you represent fraction of data?
- i. What do you mean by Arrays?
- j. What are string data types? Explain by citing examples.

SECTION-B

2. Discuss the various business applications of computers in present competitive world.
3. What is the importance of programming language 'C++' in today's scenario? Explain by citing suitable examples.
4. What is the advantage of binary representation of data? Discuss by citing examples.
5. Discuss various applications of spreadsheets in business organizations.
6. Discuss in detail about various concepts used in database. Explain by citing examples.
7. Explain the following terms with reference to Object Oriented Programming :
 - a. Classes
 - b. Functions.
8. Write a program to read two numbers from keyboard and display the larger value on screen.

SECTION-C

9. How computers are used in solving complex problems in present scenario. Explain in detail by citing suitable examples.
10. Explain in detail the benefits of using Object Oriented Programming.
11. **Answer the following in detail :**
 - a. Word processing.
 - b. Explain the use of spreadsheets.

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