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Total No. of Pages : 02

Total No. of Questions : 20

M.Sc. (BT) (2018 Onwards Batch) (Sem.-1)

**COMPUTER APPLICATIONS**

Subject Code : MBT-105

M.Code : 75663

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**

Answer briefly :

1. What is the syntax of If-Else statement?
2. What is the syntax of Switch Statement?
3. What is the syntax of do-while statement?
4. Explain the conditional operator with example.
5. What is a public member in a class?
6. What are the Relational operators available in C++?
7. What is a nested structure?
8. What are virtual classes?
9. How one dimensional arrays can be accessed using Pointers?
10. What is a DBMS?

## SECTION-B

11. What is the difference between do-while loop & while loop?
12. What is primary memory?
13. Explain the difference between a class & a structure.
14. Explain the use of pointers in the C++.
15. What are the advantages of polymorphism & dynamic binding?
16. How are friend functions different from member functions?
17. Explain the operation of formula application on Spreadsheet.

## SECTION-C

18. Write a program to reverse the digits of a number. Draw the flow chart also. (e.g. 345 is changed to 543)
19. Explain the block diagram of a computer. Also explain the difference between primary memory devices & secondary memory devices.
20. What are the various features of word processor? Explain with examples.

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.