



SE – 433

**II Semester B.Voc. Examination, September 2020
(Repeaters) (CBCS) (2016-17 and Onwards)
INFORMATION TECHNOLOGY
204 : Object Oriented Programming Using C++**

Time : 3 Hours

Max. Marks : 70

Instruction : Answer all Sections.

SECTION – A

Answer **any ten** of the following :

(10×2=20)

1. What is operator overloading ?
2. What is command line argument ?
3. State any two difference between procedure oriented and object oriented programming.
4. What is scope resolution operator ?
5. Define exception.
6. Explain virtual base class.
7. Define data hiding.
8. What is use of new operator ?
9. What is role of EOP ?
10. Define base class and derived class.
11. What is string constant ?
12. Name any two memory operator in C++.

SECTION – B

Answer **any five** questions :

(5×10=50)

13. a) Explain data members and member functions.
- b) What is runtime polymorphism ? Explain.

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- 14. a) Write a C++ program to show copy constructor. 7
b) Explain the advantages of function templates. 3
- 15. Explain call-by-value and call-by-address, call-by-reference with example. 10
- 16. a) Explain file I/O with multiple objects. Give an example. 5
b) Explain string as a class member. 5
- 17. Write a C++ program to perform multiplication of two matrices using binary operator '*' overloading. 10
- 18. a) Explain This Pointer. How do you access and return member data using 'This Pointer' ? 5
b) Explain hierarchical inheritance with an example. 5
- 19. a) Explain exception handling. 5
b) What are qualifiers ? Illustrate them with example. 5
- 20. a) Write a C++ program to find the maximum of two numbers using functions. 5
b) Explain Inline Function. 5

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