

Sl. No. 100004



No. of Printed Pages : 2

GS-748

II Semester B.VOC. Examination, May/June - 2019

INFORMATION TECHNOLOGY

204 Object Oriented Programming Concepts Using C++

(CBCS) (F+R) (2016-17 & Onwards)

Max. Marks : 70

Time : 3 Hours

Instructions to Candidates : Answer *all* Sections.

SECTION - A

10x2=20

Answer **any ten** questions. Each question carries **two** marks.

1. Difference between Class and Object.
2. What is Function Prototyping ?
3. What are manipulators used in C++ ?
4. What is polymorphism ?
5. What are generic pointers ?
6. What is Seekg() and Seekp() ?
7. What is template ?
8. Define constructor.
9. What is abstract class ?
10. What do you mean by public data member ?
11. What is destructor ? Explain.
12. Explain Dynamic Binding.

P.T.O.

**SECTION - B**Answer **any five** questions.**5x10=50**

13. (a) List out the characteristics of a constructor. **5**
(b) Write C++ program to illustrate the concept of constructor overloading. **5**
14. (a) Differentiate between procedure oriented and object oriented programming. **5**
(b) Explain Data Conversion between basic Type with example. **5**
15. (a) Explain virtual base class. **3**
(b) What are the benefits of Inheritance ? Explain Multiple Inheritance with an example. **7**
16. (a) Write a C++ program to swap two numbers using Friend Function. **7**
(b) What is Friend Function and Friend Class ? **3**
17. Write a C++ program to explain the concept of unary operator overloading. **10**
18. (a) Write a C++ program to show returning current object accessing member data of current object and returning values of object using this pointer. **7**
(b) Explain virtual base class. **3**
19. (a) Explain different types of Inheritance with example. **7**
(b) Explain in detail the types of polymorphism in C++. **3**
20. Write a C++ program to create student report using Inheritance Technique. **10**

- o O o -