**ANNUAL EXAMINATION 2020**

**(Only for Regular Students)**

***Centre No. 135 Centre Name- Disha College, Raipur (C.G.)***

**Class-B.C.A-II(Old Course) Subject-Prog In C++ and VC++**

**Paper No- BCA203 Paper Name-Prog In C++ and VC++**

**Time- 3 hrs. M.M.-100 Min.M.-40**

**Note – *Attempt any 2 question from all unit. Each question carries equal marks*.**

**UNIT 1**

1. Explain concept of object oriented concept and advantage in brief .
2. Write difference between procedural and object oriented programming .
3. Explain static data member and static function .

**UNIT 2**

1. What is inheritance and its type .
2. What is operator overloading explain with an example .
3. Explain constructor with example .

**UNIT 3**

1. Explain virtual and pure virtual function .
2. What do you mean by streams . Explain utility of inline function.
3. Write a program in c++ to check whether entered number is prime or not.

**UNIT 4**

1. Explain methodology for object oriented design.
2. Give the difference between relational and object oriented database .
3. Write note on:-

i)Attribute type

ii)Architecture of OODBMS

**UNIT 5**

1. What are the features of VC++ ? Explain VC++ workspace .
2. Explain MFC with example.
3. Explain following-

i)Application object ii)View Object