

Register Number :

Name of the Candidate :

**1 3 4 3**

**B.Sc. DEGREE EXAMINATION, 2011**

(INFORMATION TECHNOLOGY)

(FIRST YEAR)

(PART - III)

( PAPER - IV )

**160 / 150. PROGRAMMING IN C & C++**

( Common with B.C.A. )

May ] [ Time : 3 Hours

Maximum : 100 Marks

**SECTION - A** ( 8 × 5 = 40)

*Answer any EIGHT questions.*

*All questions carry equal marks.*

1. How to create a multi-dimensionanl arrays ?

2. Discuss the advantages and disadvantages of pointers.

**Turn Over**

3. What is OOPs ? Differentiate Object Oriented Programming and Object Based Programming.
4. What is function ? What are the advantages of it ? Give example.
5. What is constructor ? Why it called as a special member function ?
6. Differentiate between operator over loading and operator over riding.
7. Discuss about the virtual functions.
8. What is meant by pointer ? How do you create a pointer variable ? Give example.
9. What is “this pointer” ? What is its specification ?
- 10 Define stream. Write notes on :
  - (a) OFSTREAM.
  - (b) IFSTREAM.
  - (c) FSTREAM.

**SECTION - B** ( 3×20=60)

*Answer any THREE questions.*

*All questions carry equal marks.*

11. List and explain the different types of operators with suitable examples. (20)
12. Explain the different parameter passing techniques with example. (20)
13. (a) What is default constructor ? Write a program to find addition of 2 - numbers using default constructor. (10)  
(b) Write about constructor over loading. (10)
14. Explain the different types of inheritance with example. (20)
15. (a) Write short note on : (5+5)
  - (i) seekg ( ).
  - (ii) tellg ( ).
 (b) Write a program to open a file in read mode and display it. (10)