

Register Number :

Name of the Candidate :

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B.Sc. DEGREE EXAMINATION, 2008

(INFORMATION TECHNOLOGY)

(FIRST YEAR)

(PART - III)

(PAPER - IV)

160 / 150. PROGRAMMING IN C & C++

(Revised Regulations)

(Common with B.C.A. - Revised Regulations)

December]

[Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.

All questions carry equal marks.

1. What is an unsigned integer constant ? What is the significance of declaring a constant unsigned integer ?

Turn over

2. What is a structure in C? How structure is different from array?
3. Explain with an example, how structure can be passed in function as parameter?
4. Write the applications of object oriented programming.
5. What is type conversion? Explain with an example.
6. Explain the use of default arguments with an example.
7. How do you create derived class? Give example.
8. What is unique about this pointer?
9. What are the steps involved in using a file in C++?
10. What are the advantages of using exception handling mechanism in a program?

SECTION - B (3 × 20 = 60)

Answer any THREE questions.

All questions carry equal marks.

11. What is object oriented paradigm? Explain the various features of object oriented programming.
12. What are various control structures of 'C' language? Explain with example.
13. What is a friend function? Describe their benefits and limitations. Give suitable example.
14. (a) Explain virtual function with example.
(b) Write a program in C++ to check if a given number is prime or not.
15. (a) In a file of text, write a program to find the number of vowels in the text.
(b) Discuss about command line arguments.