



BS-0781

Seat No. _____

B. C. A. (Sem. II) Examination
April / May – 2006
Programming Language - I

[Total Marks : 70

Time : Hours]

Instructions :

(1)

दीर्घ सूत्रों में निम्नलिखित विवरण भरना आवश्यक है।
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B.C.A. (Sem. II)

Name of the Subject :
Programming Language - 1

Subject Code No. : 0 7 8 1 Section No. (1, 2,.....) : Nil

Seat No. :
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Student's Signature

- 1 Answer the following in brief : 14
- (a) What is the use of control string in an output statement?
 - (b) How can you assign a hexadecimal and octal values to a variable?
 - (c) What is the difference between post increment and pre-increment values of a variable?
 - (d) Explain the use of comma in a for loop statement.
 - (e) Explain any 4 escape sequences in 'C'.
 - (f) What is the use of declaring variable as volatile?
 - (g) State whether true or false and justify your answer:
 - (i) Every 'C' program ends with an END statement.
 - (ii) A line in a 'C' program can have more than one statements.

- 2
- (a) Explain the use of different storage class specifiers. 7
 - (b) Describe 4 basic data types. How could we extend the range of values they represent ? 7

OR

- (b) Write a program to print the following series:
1,4,27,256.....

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[Contd...

- 3 (a) Explain multidimensional array in 'C'. Write different ways to initialize two-dimensional array during the declaration. 7
- (b) Write a program to read 3x3 matrix and print it in row-wise ascending order. 7

OR

- (b) Write a program to display the following triangle for given number n: n-4 :

```
7 8 9 10
  4 5 6
    2 3
      1
```

- 4 (a) What do you understand by a loop construct? Explain various loop constructs with their syntax.
- (b) Write a program to print first 10 prime numbers. Give delay while printing between the two numbers.

OR

- (b) Write a program to read 2 strings, merge them and check whether merged string is palindrome or not.

- 5 (a) Write the difference between array and structure.
- (b) Define structure employee with emp_code, name, dept, salary. Write a program in 'C' to read 10 records and print department wise employee information in proper format.

OR

- (b) Define a union hotel with room_id, room_type, room_cost. Write a program to read 10 records and print room type wise information in proper format.