



**K-3719**

**First Year B. C. A. (Sem. II) Examination**

**October/ November – 2012**

**204 : Programming Language - I**

Time : Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दशांशक निशानीवाणी विगतो उत्तरवही पर अवश्य लपनी. Fill up strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	
• F. Y. B.C.A. (Sem. 2)	
Name of the Subject :	
• 204 : Programming Language - 1	
Subject Code No. : 3 7 1 9	Section No. (1, 2,.....) : Nil
	Student's Signature

- (2) All questions are compulsory.
- (3) Do not interchange sub-questions.
- (4) Figure on the right indicate marks.

**1 Answer in short. (Any 7)**

**[14]**

1. What is difference between post and pre increment operators?
2. What do you mean by preprocessor directive?
3. Explain with syntax strncpy().
4. Enlist at least five mathematical functions.
5. Explain with example difference between && and & operators.
6. How can you create a global variable?
7. Differentiate between \* and \*\* operators.
8. Justify need of using array.

**2 Answer following questions:**

**[14]**

- (A) What is symbolic constant? How can you create it? How does it differ from constants created using const. 6

K-3719]

OR

1

[Contd...

(A) Explain arithmetic operators, ternary operator and bitwise operators.

(B) WAP to print following series  
1, 4, 27, 256, .....

5

OR

(B) WAP to print following series.  
10, 15, 25, 30, 40,.....

(C) Compare scanf() and gets().

3

**3 Answer the following questions.**

[14]

(A) Differentiate between 1-Dim. and 2-Dim. arrays in terms of storing strings.

6

(B) Explain with example 'Call by Value'

5

OR

(B) Write a 'C Program to read a 3X3 matrix and print it in column-wise ascending order.

(C) Explain strcpy() function with syntax and example.

3

**4 Answer the following questions.**

[14]

(A) Explain union. How it differs from structure? What is typedef keyword?

6

OR

(A) Explain any five conversion functions.

(B) Create structure called Tournament with following fields.  
Tournament\_no., Tournament\_name , No\_Of\_teams

5

Read details of 5 tournaments and display the tournament with lowest number of teams.

OR

(B) Create a structure Cricket with following fields.  
playername, teamname, avg.  
Use proper data types. Read 5 players records and display them in formatted manner.

(C) Explain bit fields in union.

3

**5 Write a short note (Any 2)**

[14]

1) Pointers.

2) Storage Class

3) Type conversion