



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 दशांशव निकासीवाणी विगता उतरवडी पर अवश्य दपवी.
Fillup strictly the details of signs on your answer book.

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

Seat No. :

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

(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