



UA-3719
First Year B. C. A. (Sem. II) Examination
March/April – 2012
204 : Programming Language - I

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

<p>नीचे दर्शायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : F. Y. B.C.A. (Sem. 2)</p> <p>Name of the Subject : 204 : Programming Language - 1</p> <p>Subject Code No. : 3 7 1 9 Section No. (1, 2,...): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p style="text-align: center;">Student's Signature</p>
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- (2) All questions are compulsory.
- (3) Do not interchange sub-questions.
- (4) Figure on the right indicate marks.

1 Answer in short : (any seven) 14

- (1) What is difference between post and pre increment operators ?
- (2) Explain with syntax fabs().
- (3) Explain with syntax strcpy().
- (4) State whether the following are true or false with reasons.
 - (a) We can have comments inside comments.
 - (b) Every C program must have at least one user defined function.
- (5) Explain difference between && and & operators with example.
- (6) How can you create a string in C ? Explain with example.
- (7) Differentiate between * and ** operators.
- (8) Differentiate between actual and formal arguments.

- 2** Answer the following questions : **14**
- (a) What is symbolic constant ? How can you create it ? How does it differ from constants created using 'const'. **6**

OR

- (a) Write a note on case structure with example. What are its limitations ?
- (b) Write a 'C' program to print following series **5**
1, 4, 27, 256,

OR

- (b) Write a 'C' program for the following pattern where say row = 4.
- ```
1
2 2
3 3 3
4 4 4 4
```
- (c) Compare scanf( ) and gets( ). **3**

- 3** Answer the following questions : **14**
- (a) Differentiate between 1-Dim. and 2-Dim. arrays specifically in terms of storing strings. **6**
- (b) Write a 'C' program to reverse individual words in a given sentence. **5**

**OR**

- (b) Write a 'C' program to merge two arrays and print it in ascending order.
- (c) Explain isspace( ) and isalnum( ) with syntax. **3**

- 4** Answer the following questions : **14**
- (a) Explain multidimensional arrays in C. Write different ways to initialize 2-Dim. array during declaration. **6**

**OR**

- (a) What is structure ? Why it is needed ? Differentiate it with an array.

- (b) Create structure called tournament with the following fields : **5**

Tournament\_no., Tournament\_name, No\_of\_terms

Read details of 5 tournaments and display the tournament with highest number of terms.

**OR**

- (b) Write a program to develop a function that reverses the number passed as an argument.

- (c) Explain bit fields in union. **3**

- 5** Write a short note on the following topics : (any two) **14**

- (1) Pointers
- (2) 'break' and 'continue' in the loop structure
- (3) Type conversion.

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