



**RR-0609**

**First Year B. Sc. Examination**

**March / April – 2010**

**Computer Science : Paper - II**

*("C" Programming Language)*

Time : 3 Hours]

[Total Marks : 70

**Instructions :**

(1)

नीचे दर्शावेल निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="F. Y. B. Sc."/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Computer Science - 2"/>	<input type="text"/>
Subject Code No. : <input type="text" value="0"/> <input type="text" value="6"/> <input type="text" value="0"/> <input type="text" value="9"/>	Section No. (1, 2,.....) : <input type="text" value="Nil"/>
Student's Signature	

- (2) All questions carry **equal** marks.  
(3) Figures to the right indicate marks.

- 1 Answer in brief : (any **seven**) 14
- (i) Explain long and short size modifiers in brief.
  - (ii) Explain how conditions are evaluated for its true and false value.
  - (iii) Give at least one situation in which C compiler generates "L value required" Error/Warning.
  - (iv) Explain concept of string in "C".
  - (v) Explain the keyword enum.
  - (vi) Is 'void' a data type in 'C'? Explain your answer.
  - (vii) What is File Pointer? How it works?
  - (viii) Can we assign array to another array using = operator.
  - (ix) What is the use of 'stdio.h' and 'Conio.h'?
- 2 (a) What does it mean by preprocessing, compilation and execution of a 'C' program ? 7
- (b) Explain various identifier naming rules for 'C' language giving appropriate example for each of them.

**OR**

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**[Contd...**

- 2 (a) Write a detailed note on operators in C language. Also give their comparative precedence and associativity. 7
- (b) Explain printf( ) function with its syntax. Also explain in detail result of various output format strings used along with printf( ) function. 7
- 3 (a) Explain switch.....case statement in detail. Also give comparison of if.....else statement and a conditional operator (? :) 7
- (b) Explain for loop with example. Also explain various ways to pre-maturely terminate the loops in C language. 7

**OR**

- 3 (a) Explain scanf( ) function with example. Write a 'C' program to find largest number from three numbers. 7
- (b) Explain while loop and do....while loop with suitable example. Give at least 3 differences between them. 7
- 4 (a) What is function in 'C' language? What are its advantages/benefits? Explain how we can create our own function in any C program. 7
- (b) What is subscript and subscripted variable? Explain how we access an array using pointer notations. 7

**OR**

- 4 (a) What do you mean by recursive function? Write a 'C' program to find factorial value in using function. 7
- (b) Explain at least five string function with example. 7
- 5 (a) Give syntax for declaring an array in C language. Also explain how one and two dimensional arrays can be declared. What can be the maximum size of array in 'C'? Can we declare an array having more than two dimension? 7
- (b) What is structure in C language? What are its uses/advantages? Explain the memory allocation for a structure variable declared in C program. 7

**OR**

- (b) What is file in C language? What are different methods/ways to access data stored in files? What mechanism is provided in 'C' to access these data stored in file ? 7