



SC-4303

M. C. A. (Sem. I) Examination

April / May - 2011

Paper - 103 : Computer Programming and
Programming Methodology

Time : 3 Hours]

[Total Marks :70

Instructions :

(1)

नीचे दशांशवैक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination : M. C. A. (Sem. 1)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Subject : 103 : Computer Programming and Programming Methodology	<input type="text"/>
Subject Code No. : <input type="text" value="4"/> <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="3"/> Section No. (1, 2,.....): <input type="text" value="Nil"/>	

- 1 Do as directed : 14
- (a) Define : Array and Structure. Explain two-dimensional array in detail.
- (b) Explain 'while' and 'do-while' loop with proper example.
- 2 Attempt any two from the followings : 14
- (a) Describe call-by-reference with proper example.
Compare it with call-by-value.
- (b) Explain giving example as 7 string built-in functions.
- (c) Define : Recursion. Explain it with proper example.
- 3 Do as directed : (any two) 14
- (a) Explain 'nested-for' statement giving flowchart and appropriate example.
- (b) Write a 'C' program to reverse the string and check whether palindrome or not.
- (c) Write a 'C' program to input any number and check whether it is prime or not.

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[Contd...

- 4 Attempt any **two** from the followings : 14
- (a) Discuss escape sequence with giving its importance.
List out any 6 escape sequences with their meaning.
 - (b) How can we use getchar () function to read multi character strings ?
 - (c) Distinguish between the following :
 - (i) actual and formal arguments
 - (ii) global and local variables
- 5 Do as directed : (any **two**) 14
- (a) Describe storage classes in C.
 - (b) Discuss the use of ternary operator in C with appropriate example.
 - (c) Write a note on basic data types of C.
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