

Examination May-2014
PROGRAMMING IN 'C'
BC-104(N2)

Paper ID-B0204

Time Allowed: 03 Hrs**M. Marks: 60**

Note: Attempt all questions from Section–A and any four questions from Sections-B.

Section A

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|--------|--|---|
| Q1 (a) | What are symbolic constants? Explain. | 2 |
| (b) | Write a program in C language to check whether the given year is leap year or not. | 2 |
| (c) | Write a program in C language to find factorial of given number using recursion. | 2 |
| (d) | What are actual and formal parameters? Explain with an example. | 2 |
| (e) | Explain how gets() function is different from getch(). | 2 |
| (f) | List various file related function available in 'C' language. | 2 |
| (g) | What are advantages and disadvantages of recursion? | 2 |
| (h) | Write a 'C' program to check whether a given string is palindrome or not? | 2 |
| (i) | What is self referential structure? Explain with example. | 2 |
| (j) | What is binary search? How it is different from linear search. | 2 |

Section B

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| 1 | What are different data types in 'C' language? Explain various primary and secondary data types by taking suitable examples. | 10 |
| 2 | What are various control flow statements? Explain the difference between for, while and do while statement. | 10 |
| 3 | What is an operator? How it is different from an operand? Explain the order of precedence and associativity of various operators. | 10 |
| 4 | Write note on the following:- <ul style="list-style-type: none">• Call by value and call by reference.• Function Prototyping. | 10 |
| 5 | What is structure? How it is different from Union? Explain the concept of structure and union by taking suitable example. | 10 |
| 6 | What is sorting? How it is different from searching? Write a program in C language to sort an array of N numbers. | 10 |