

Printed Pages: 4	1036	NCS-101
(Following Paper II	D and Roll N Answer B	No. to be filled in your look)
Paper ID : 110101	Roll No.[
	R Tech	

(SEM. I) THEORY EXAMINATION, 2015-16 COMPUTER SYSTEM & PROGRAMMING IN C

[Time: 3 hours]

[Total Marks:100]

Note: Attempt all Questions from all Sections as per directions

Section-A

- Attempt all parts of this section. Answer in brief. 1. $(2 \times 10 = 20)$
 - (a) List five internal and external commands used in DOS operating system.
 - (b) Explain the basic structure of C program.
 - (c) How binary file differ from text file?
 - Give difference between android and window OS. (d)
 - Differentiate between structure and union.

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- www.FirstRanker.com
 - Ξ 6 Justify that operating system is a resource Explain the dot (.) operator in C language with other pointers? manager.

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What is void pointer? How is it different from

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- Ξ What do you mean by operator precedence? proper example.
- € casting. Write difference between implicit and explicit type

Section-B

Attempt any five questions from this section. $(10 \times 5 = 50)$

- 'n program in C to sort list of names of students in an What are the different types of functions? Write a ascending order.
- 'n Write a short note on top down program development
- approach.
- Write a program in C to reverse a string through pointer.
- reference with suitable example. Write difference between call by value and call by

- Illustrate and compare the static and extern storage 3 between 11 and 50. (iv) Algorithm and flowchart. (iii) Logical error and run time error. Differentiate between the following: a given number using pointers. State the features of pointers. Write a C program to sort classes with a relevant example in C algorithm to find the sum of all the numbers divisible by What are the characteristics of an algorithm? Write an High level language and low level language. Linker and loader. Section-C

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Answer any two questions from this section: (15×2=30)

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What are the various types of files that can be created in existed text file. C langaue to append some more text at the end of an C langauge? Also give different modes in which these files can be used with proper syntax. Write a program in



- 11. (a) Write a C program to check whether a given square matrix is symmetric or not.
 - (b) Define data types in C. Discuss primitive data types in terms of memory size, format specifier and range.
 - (c) List out various file operations in 'C'. Write a C program to count the number of characters in a file.
- 12. (a) Write the difference between type conversion and type casting. What are the escape sequences characters?
 - (b) What are the different types of operators in C language and also write down the difference between the associatively and precedence of operators.

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