Printed Pages: 4



(Followi	ng Paper I	Answer Bo	ok)	
Paper ID	: 110101	Roll No.	oll No.	
		B.Tech.		
(SE	M. I) THEC	DRY EXAMINA	ATION, 2015-16	
COMPU	TER SYS	TEM & PRO	GRAMMING IN C	
[Time: 3 h	nours]		[Total Marks:100]	
	ttempt all etions	Questions from	m all Sections as per	
	< :	Section-A		
Attempt all parts of this section. Answer in to			. Answer in brief. (2×10=20)	
(a)	List five internal and external commands used in DOS operating system.		rnal commands used in	
(b)	Explain the basic structure of C program.			
(c)	(c) How binary file differ from text file?		m text file?	

(d) Give difference between android and window OS.

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(e) Differentiate between structure and union.

(1)

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Attempt any five questions from this section. What are the different types of functions? Write a ascending order. program in C to sort list of names of students in an

'n Write a short note on top down program development

- Write a program in C to reverse a string through pointer
- reference with suitable example. Write difference between call by value and call by

(2)

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NCS-101

- 3 other pointers? What is void pointer? How is it different from
- 6 Justify that operating system is a resource
- B Explain the dot (.) operator in C language with proper example.
- What do you mean by operator precedence?
- Write difference between implicit and explicit type

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- Differentiate between the following
- (iii) Logical error and run time error.

(10×5=50)

(iv) Algorithm and flowchart

Section-C

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

10.

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 files can be used with proper syntax. Write a program in C langauge? Also give different modes in which these

3 between 11 and 50. algorithm to find the sum of all the numbers divisible by What are the characteristics of an algorithm? Write an

6

classes with a relevant example in C Illustrate and compare the static and extern storage

State the features of pointers. Write a C program to sort a given number using pointers.

(ii) Linker and loader. High level language and low level language

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- (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 langauge and also write down the difference between the associatively and precedence of operators.

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(4)