Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

MANIPAL SCHOOL OF INFORMATION SCIENCES, MANIPAL
FIRST SEMESTER MASTER OF SCIENCE- M.Sc. (INFORMATION SCIENCE) DEGREE EXAMINATION - FEBRUARY 2021
Linux and C programming [MIS 501]

Marks: 100   **Duration: 180 mins.**

MONDAY, FEBRUARY 8, 2021

Answer all the questions.

1)	With an example explain the C functions that performs input and output operations (TLO No. 2.1)	(10)
2)	How to run commands in Linux? Explain Redirect, Append and Pipe in Linux with example (TLO No. 1.1)	(10)
3)	What is an expression in c program? Write a c program to illustrate bitwise operators (TLO No. 3.1)	(10)
4)	Solve below expression X=1000 and Y=1350 (TLO No. 3.1) X-- + --Y - ++X + Y++*2 Y++ + ++Y - ++X*2	(10)
5)	Explain scope and lifespan of variables using storage classes (TLO No. 2.1)	(10)
6)	Distinguish between continue and break statements with an example (TLO No. 4.1)	(10)
7)	Explain any 5 string manipulation functions (TLO No. 6.1)	(10)
8)	How do you declare pointers? Enumerate the use of malloc() and free() functions with respect to pointers (TLO No. 5.1)	(10)
9)	Write C program to illustrate pass by value and pass by reference (TLO No. 7.1)	(10)
10)	With an example explain modes of managing files in c program (TLO No. 8.1)	(10)

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