Reg. No. | | | | | | | | |

MANIPAL ACADEMY OF HIGHER EDUCATION, MANIPAL
MANIPAL SCHOOL OF INFORMATION SCIENCE, MANIPAL

FIRST SEMESTER MASTER OF SCIENCE – M.Sc. (INFORMATION SCIENCE)

DEGREE EXAMINATION – NOVEMBER 2021

SUBJECT: MIS 501 – LINUX AND C PROGRAMMING

Monday, November 22, 2021

Time: 10.00 – 13.00 Hrs.

Max.Marks:100

Note: All questions carry equal marks.

1. Mention basic data types and rules for naming identifiers in C program (TLO No. 2.1)   (10 Marks)

2. How to run commands in linux? Explain relative and absolute path in linux with example (TLO No. 1.1)   (10 Marks)

3. What is an expression in c program? Write a c program to illustrate relational operators   (10 Marks)

4. Solve below expression (TLO No. 3.1)   (10 Marks)
   a. X=100 and Y=135
   b. X-- - --Y + ++X + Y++
   c. Y++ + ++Y + ++X*2

5. Explain below storage classes ((TLO No. 9.1)   (10 Marks)
   a. extern
   b. auto
   c. register
   d. static

6. Write a syntax and flow chart for if and if-else statement to find largest of three numbers (TLO No. 4.1)   (10 Marks)

7. How do you declare string? Explain character manipulation in string? (TLO No. 6.1)   (10 Marks)

8. What is stack and heap? Enumerate the goal of pointers in c programming? (TLO No. 5.1)   (10 Marks)

9. What is a function? Explain pass by value and pass by reference (TLO No. 7.1)   (10 Marks)

10. Write the general format of closing files and explain all modes of managing files (TLO No. 8.1)   (10 Marks)

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