H   Roll No. ....

TCS–391

B. TECH. (CSE) (THIRD SEMESTER) MID SEMESTER EXAMINATION, 2021
FUNDAMENTAL OF CYBER SECURITY
Time : 1½ Hours
Maximum Marks : 50

Note : (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each question carries 10 marks.

1. (a) Write short notes on the following :

(i) chmod

(ii) useradd

(iii) mv

(iv) CIA Triad model

10 Marks (CO2)

OR

(b) Write a shell script program for calculating factorial of a given number.

10 Marks (CO2)

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2. (a) Write a program in python to find out the second largest number among the 5 given numbers. 10 Marks (CO2)

OR

(b) Write a program in python-to implement conditional statement and loop statement.

10 Marks (CO2)

3. (a) What do you mean by traditional security system ? State the disadvantages of traditional security system.

10 Marks (CO1)

OR

(b) What do you mean by penetration testing ? Explain about the steps of penetration testing. 10 Marks (CO1)

4. (a) What do you mean by hackers ? Explain any *three* types of hackers.

10 Marks (CO1)

OR

(b) What do you mean by zero trust model ? Explain the advantages and features of zero trust models. 10 Marks (CO1)

5. (a) How are black hat hackers different from the white hat hackers ? Draw a relationship between level of risk and level of intelligence between various hackers.

10 Marks (CO1)

OR

(b) What do you mean by integrity in CIA Triad model ? Explain, how integrity is achieved in real life. 10 Marks (CO1)

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