

School of Computing Science and Engineering

B.Tech CSE
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem VIII - MCAN1250 - Programming with Python

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Summarize the characteristics of optimizers in, scipy. K3 CO3 (5)
2. Identify the date feature in python, and its uses. K2 CO2 (5)
3. Describe the variables used in python. K1 CO1 (5)
4. Illustrate the hierarchical clustering with example. K5 CO4 (10)

OR

- Write a program using file handling. Write text "How are you" and search the text "are"
5. Explain the regular expression in python K5 CO5 (10)
 6. Determine the file handling along with its access mode. K2 CO2 (10)
 7. Write a program to search the elements in an array. K3 CO3 (10)
 8. Evaluate the Boolean operators in python, and explain with examples. K1 CO1 (10)
 9. Categorize the paths used in os. Path module with syntax. K4 CO4 (15)
 10. Write about the regression, along with its types and with example. K3 CO3 (15)

OR

- Discuss with an example, the KNN algorithm, with its features K4 CO5 (15)