FACULTY OF SCIENCE
B.Sc. (CBCS) II-Year (III-Semester) Regular Examinations, Dec-2022/Jan-2023
Data Science-III
(Data Engineering with Python)

Time: 3 Hours   Max Marks: 80

SECTION-A   (4x5=20 Marks)
Answer any Four questions from the following

1.   What are the attribute of filehandler object?

2.   What is serializing JSON?

3.   Write a short note on NLP applications.

4.   What is Beautiful Soup module?

5.   Write a short notes on splitting array.

6.   Write about the usage of Pandas module.

SECTION-B   (4x15=60 Marks)
Answer all the following questions

7.   (a) Explain the procedure of reading and writing the data from a binary file with suitable example code.
                              (OR)
      (b) Discuss in detail the use of pickle module with suitable python code.

8.   (a) Discuss in detail the functions available in python to implement Regular expression.
                              (OR)
      (b) Write in detail how to process HTML files.

9.   (a) Explain various methods of Array class in Python.
                              (OR)
      (b) Discuss in detail the steps to connect the python application to the database.

10.   (a) Discuss in detail the functions used to handle missing data with example programs.
                              (OR)
      (b) Explain in detail the different types of plots in python.