Subject: Data Science

Question paper: first mid-Sem previous year   semester-3rd

Section-A (Attempt All Questions) (1-mark each)

1.

A. what is difference between a list and a dictionary in Python?

B. Name two popular Libraries used for data analysis?

C. How do you write a comment in Python?

D. What function is used to read a CSV file in Pandas?

E. What command is used to install external libraries in Python?

Section-B(Attempt Any Five Questions) 2-marks each

2.

A. How can you import the pandas and NumPy libraries into a python Script?

B. How can you reverse a string in Python?

C. Write a python code to print numbers from 1to 5 using for loop.

D. How do you access elements in a list?

E. How do you Create a empty list and add elements to it?

F. Write a Python code to Create a NumPy array of numbers from 1 to 5?

Section-c(Attempt anyone part from each question) 5-marks each

3.

A. Write a python function that accepts a list of numbers and returns a list containing only the even numbers from line input list.

B. Write an SQL query to create a new table called employees with columns id, name, and salary. Also write an SQL query to insert a new row into this table.

4.

A. Explain how to create a Data frame using Pandas with data from a dictionary. Provide an example.

Write a Python code that reads a CSV file using Pandas, filters rows where the "age column is less than 25, and prints the filtered rows.

5.

A. Explain the process of reading data from a CSV file into a Pandas Data Frame and selecting specific columns.

B. Discuss the Difference Between inner join, left join and right join in Sql. Write the SQL query for each and explain with examples.

United University – First Mid Term Examination

Course: BCA (CORE + IBM)
Subject: Web Design
Subject Code: CAU(CBC3I06T)
Semester: 3rd
Time: 2 Hrs
Max. Marks: 30

Section-A (Attempt all Questions)

Q.1
A. Differentiate HTTP between HTTPS
B. What is the difference between front end and backend?
C. How HTML5 is different from its previous versions
D. Define any two formatting tag with an example
E. What is the difference between relative URL and absolute URL?

Section-B (Attempt Any Five Questions)

Q.2
A. Give difference between Container tag and Empty tag, explain with example. How do you include an image with width is 100px and height is 50px in an HTML document?
B. List out the different types of web technologies.

C. Give the difference between Two-Tier Architecture and Three Tier Architecture.
D. How to implement definition list with a suitable example.
E. How checkbox is different with radio button. Discuss with a suitable examples.
F. What do you understand by "HTML5 form validation"? Discuss with a suitable examples.

Section-C (Attempt Any One Part From Each Question)

Q.3
A. What is a URL? Explain the structure of a URL? Also, describe type of URL with an example.
B. Write an HTML code for creating the following output:

Q.4
A. What is website? Differentiate between static and dynamic website.
B. Write HTML5 Code for given TABLE Output:

| Q5. | A | Write an HTML Code for given module. |

| | B | Write an HTML Code for Given Frame: |