**DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**
(For Candidates admitted from 2020 - 2021 onwards)

PG DEGREE EXAMINATIONS APRIL - 2021

M.Sc., – COMPUTER SCIENCE

OPEN SOURCE WEB DEVELOPMENT

Time: 3 Hrs   Max.Marks: 75

PART - A

CHOOSE THE CORRECT ANSWER   **(10X1=10)**

1. _____ changes only when an HTML programmer changes the source file.
   a) Dynamic Data   b)Static Data   c)Machine data   d)Structured Data

2. Large static website is managed by _____.
   a)Wireless Meta Data   b)Static Data   c)Website Meta Language   d)Dynamic Data

3. _____ command is used to check whether Apache is installed or not.
   a) vi   b) ping   c) rpm   d) cron

4. _____ refers that the location of file system object on the server.
   a)<Location>   b)<Directory>   c)<Path>   d)<Virtual host>

5. _____ is used to delete a whole database or just a table
   a) Create   b)use   c)Show   d)Drop

6. The _____ command gives information about the fields in a table.
   a)Describe   b)use   c)Show   d)Drop

7. In which language is Python written?
   a) English   b)PHP   c) C   d) All of the above

8. Which character is used in Python to make a single line comment?
   a) /   b) //   c) #   d) !

9. ____ is a software library written for the **Python** programming language for data manipulation and analysis.
   a)Pandas   b)void   c) int   d) String

10. Pandas is used to create _____
    a) To create a GUI programming   b)To create a database   .
    c) To create a High level array   d) All of the above

PART – B

ANSWER ALL THE QUESTIONS (5X7=35)

11. a) Mention the features of Linux.

    (OR)

    b) Discuss in detail about Shell command with example.

12. a) Explain Apache Log files with suitable example.

    (OR)

    b) Write down the procedure to start, stop and restart Apache server.

13. a) Explain DBI with example?

    (OR)

    b) List out some of the mysql commands with example.

14. a) What is Python? What are the benefits of using Python?

    (OR)

    b) Elaborate on Tuples and List Datatypes with examples.

15. a) What are the key features of pandas library?

    (OR)

    b) Mention the different Types of Data structures in pandas??

PART - C

ANSWER ANY THREE QUESTIONS (3X10=30)

16. List down the basic Unix Commands with example.

17. Analyze what happens when a user requests a web page from the Apache web server.

18. Discuss in detail about table joins with example.

19. Describe IPython and Jupyter with suitable example.

20. Discuss in details about Numpy array creation with suitable example.