GALGOTIAS UNIVERSITY

ADMISSION NUMBER												

School of Business

Bachelor of Business Administration
Semester End Examination - May 2024

Duration : 180 Minutes
Max Marks : 100

Sem VI - D1UF603T - Python Programming

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	How will you create one dimensional and two dimensional arrays? Give examples.	K3	(6)
2)	Write code to read a csv file with pandas library? How will you put data in dataFrame using Pandas?	K3	(9)
3)	Analyze rules and tips for variables names in python.	K4	(4)
4)	Compare functions in Python. What is the purpose of built in and reusable functions.	K4	(8)
5)	Write a function to find if a string is Palindrome string. def isPalindrome(s): s= 'kayak'	K4	(8)
6)	Write a function that displays a different noise to the user depending on the type of animal specified. The function animal_call() requires a single keyword argument animal (default == 'mouse') • If the animal is a mouse then print out 'squeak' • Else if the animal is a cat then print out 'meow' • Else if the animal is a dog then print out 'woof' • Else if the animal is a cow then print out 'moo' • Else print out 'Sorry, I do not know what noise that animal makes	K5	(10)

7) Write three functions to book tickets, refreshments and the total cost of the booking. K5 (10)

Details are:

tickets: Returns the costs of tickets (i.e one or more) purchased. Normal tickets cost rupees10.99. If the booking is for a Wednesday the price of each ticket is reduced by rupees 2.00. If premium seating is requested booking cost extra rupees1.50 per person regardless of the day.

refreshments: Returns the cost of refreshments. A user could buy 'popcorn' for rupees 2.00 or 'fizzy pop' for rupees 3.50

cinema_trip: Adds the cost of tickets and refreshments together.

8) s1 = 'hello'. K5 (15)

Apply while loop to get following output:

Hello ello llo lo o

9) K6 (12)

```
'name':['jatin','mamta','partik','jennifer','binita','lisa','nitin'],
'age':[23,78,22,19,45,33,20],
'gender':['M','F','M','M','M','F','M'],
'state':['up','mp','uk','dc','tn','kl','an'],
'num_children':[2,0,0,3,2,1,4],
'num_pets':[5,1,0,5,2,2,3]
```

Refer to dataset above,

a) Write code to generate a dataframe as a two-dimensional array (6 marks)

b) Split the data into group based on 'state' (6 marks)

10) Movie list K6 (18)

You are given a list of movies:

movies **=** ['Dangal', 'Jawan', 'Thor', 'Deadpool', ‘Braveheart’]

Write code for following tasks-

Tasks:

- slice and then print the first and second list items (3 marks)
- slices and then print the second to fourth list items (3 marks)
- slice and then print the fourth and fifth list items (3 marks)
- append "Doctor Strange" to the list. Print the updated list (3 marks)
- insert "Headpool" before "Deadpool" in the list. Print the updated list (3 marks)
- delete "Dangal". Print the updated list (3 marks)