USN: RVCE22BAI054

Course Code: 22PL15A

Sem: I Semester

Duration: 20 Minutes

Date: 23/03/2023

Maximum Marks: 50

Introduction to Python Programming
Improvement Quiz

Note: Answer all Questions

SL. No	Question	M	BT	CO
1	In what sense the readline() function is different for readlines() in file	1	1	1
2	Identify the type of Exception generated by the following code list = [10, 20, 30, 40, 50] print(list[5])	1	2	2

3	What is the output of following code
	class test:
	   def __init__(self,a="Hello World"):
	     self.a=a
	
	   def display(self):
	     print(self.a)
	obj=test()
	obj.display()
		2	2	2

4	Write an example for NameError Exception in Python?	1	1	1
5	What is the output of following code file = open("file.txt", "w") file.write("Namma Bengaluru") file.close() file = open("file.txt", "r") print (file.read(5)) file.close()	1	2	2
6	Write an example of rstrip() function?	1	1	2
7	What is Instantiation in terms of Object Oriented Programming terminology? a) Deleting an instance of class b) Modifying an instance of class c) Copying an instance of class d) Creating an instance of class	1	1	1

8	What is the output of following code
	class Employee:
	  # constructor
	  def __init__(self, name, salary):
	    self.name = name
	    self.__salary = salary
	# creating object of a class
	emp = Employee('Jessa', 10000)
	print('Name : ',emp.name)
	print('Salary:', emp.__salary)
		2	2	2

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USN:

Department of Artificial Intelligence and Machine Learning

Course Code: 22PL15A

Date: 23/03/2023

Sem: I Semester

Duration: 90 Minutes

Maximum Marks: 50

Introduction to Python Programming
Improvement Test

Note: Answer all the Questions

SL. No		Questions	M	BT	CO
1	a)	What are Python methods, how they are invoked, explain with examples?	5	1	1
	b)	Write a program to Create a text file called my_file.txt with some content, capitalize the first letter of every word, and print the content of the file in reverse order.	5	2	1
2	a)	Discuss the different modes in which the file is operated in Python?	5	1	2
	b)	Illustrate ZeroDivisionError in Python?	5	3	2
3	a)	Illustrate Finally Keyword in expectations. List the advantages of finally keyword	5	3	2
	b)	What is an Object in Python? Summarize with example	5	1	2
4	a)	What is Constructor? Discuss the types of Constructor	5	2	1
	b)	Discuss class methods and static methods.	5	2	1
5	a)	Discuss the different Access Modifiers in Python with an example	5	2	1
	b)	What is Encapsulation in python? Summarize with an example	5	2	1

Course Outcomes: After completing the course, the students will be able to	
CO1:	Apply fundamental knowledge of Python programming to solve the engineering problems
CO2:	Identify the problems in various application domains and solve them using different concepts of Python programming
CO3:	Design a solution using Python programming with societal, environmental, and other concerns by engaging in lifelong learning for emerging technology
CO4:	Demonstrate the use of modern tools by exhibiting teamwork and effective communication skills

M-Marks, BT-Blooms Taxonomy Levels, CO-Course Outcomes

	Particulars	CO1	CO2	CO3	CO4	L1	L2	L3	L4	L5	L6
Marks Distribution	Max Marks Quiz	3	7	-	-	4	6	-	-	-	-
	Max Marks CIE	30	20	-	-	15	25	10	-	-	-