RAYALASEEMA UNIVERSITY COLLEGE OF ENGINEERING, KURNOOL

B. Tech IV Semester End Examinations, December 2021 PYTHON PROGRAMMING FOR ENGINEERS (19AES0505T)

Time: 3 Hours		Max. Marks: 70
	PART-A (Compulsory Question	$(10 \times 2 = 20 \text{ M})$
Answer, the following.	(Compulsory Question)
	function return multiple values? If y	es, how it works?
What is the di	ifference between compiled and inter	preted languages?
What are the	different string formats available in F	Python?
What are mut	able and immutable types?	
	ain differences between lists and tupl	es.
What is a dicti		
Vg) What are the u	uses of File object?	
	a Python class member variable hidd	
,	ories of machine learning with a bries	=
Name the pack	kages used for analysing the data in p	oython.
	PART-B	$(5 \times 10 = 50 \text{ M})$
(Answer One FUL	LL Question from each Unit; All qu	
	UNIT-I	V
2. a) How to declare	e and call functions in Python progra	ams? Illustrate with an example script.
•	in few most commonly used built-in	
	(OR)	
Write a program	,	up to nth term where n is provided by
the user.		
	UNIT-II	
4. Write a function	which receives a variable number	of strings as arguments. Find unique
characters in each		
	(OR)	
Strings are imm	utable". Justify with the help of an e	example.
1	UNIT-III	1. 10 V. 10 V.
	wing list methods with an example.	a) append() b) extend() c) insert() d)
index() e) sort()		
	(OR)	
7. Write Pythonic co	ode to create a function called most	frequent that takes a string and print
the letters in decr	easing order of frequency. Use dict	ionaries.
	UŅIT-IV	
A D: (1 C.11		le object
8. Discuss the follow	wing methods associated with the fi	le object (v) tell() (v) seek() (vi) write
y) read() (11)	readline() (III) readlines()	av) ten() v) seem()
	(OR)	Class method in the Derived Class.
9. Program to demo	onstrate the Overriding of the Base (class method in the 2011.
	UNIT-V	
10. Discuss about an	ny two packages required for analys	ing data in python.
	(OR)	