

Hall Ticket Number:

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Code No. : 13145 S (E)

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD*Accredited by NAAC with A++ Grade***B.E. III-Semester Supplementary Examinations, August-2022****Introduction to Scripting Languages (OE-I)**

Time: 3 hours

Max. Marks: 60

*Note: Answer all questions from Part-A and any FIVE from Part-B***Part-A (10 × 2 = 20 Marks)**

Q. No.	Stem of the question	M	L	CO	PO
1.	Find the output for the following code <pre>a = 4.5 b = 2 print (a/b)</pre> State the reason behind getting the answer.	2	2	1	2
2.	Which of the data types allow unpacking of variables?	2	1	1	2
3.	What is a recursive function?	2	1	2	1
4.	Find the output for the following code: <pre>a = True b = False c = False if a or b and c: print ("Hello") else: print ("Hi")</pre>	2	1	2	3
5.	How can we assign values to a List and a Dictionary?	2	1	3	1
6.	What is the difference between mutable and immutable data type?	2	1	3	2
7.	“Private data members can be accessed outside the class”. State True or False and justify your answer.	2	3	4	1
8.	List out the different ways to read a file.	2	1	4	2
9.	List any two rules to be followed while solving an expression.	2	1	1	3
10.	What is the difference between a “pass” statement and commented statement?	2	1	2	2
Part-B (5 × 8 = 40 Marks)					
11. a)	Write a code in Python to demonstrate all the relational operators.	5	3	1	2
b)	What parameters are passed as command line arguments? Discuss with an example.	3	4	1	1

12. a)	Write a code in Python to print the Fibonacci series using recursion.	4	3	2	1
b)	How to implement iterative statements in python? Elaborate your answer.	4	4	2	2
13. a)	Explain any five operations that can be done on a dictionary.	5	2	3	1
b)	Write a program in Python to multiply two 3*3 matrices and print the result matrix using numpy array.	3	3	3	2
14. a)	Explain the working process of the access modifiers used in Python.	4	4	4	3
b)	Write a code in Python to copy the contents of one file to another. The code should throw an exception if the source file does not exist.	4	3	4	2
15. a)	List any four properties of Python.	4	2	1	1
b)	Write a user defined function to demonstrate any two parameter passing techniques in python.	4	4	2	2
16. a)	What are the different ways to create a 2*3 matrix using List in Python?	5	2	3	1
b)	What are the applications of Scikit Library?	3	4	4	2
17.	Answer any <i>two</i> of the following:				
a)	What is the difference between 1. / and % operators 2. and operators	4	2	1	1
b)	What are the different ways of writing a for loop?	4	2	2	1
c)	Write a program to create a dictionary with Key as characters in a word and Values as number of times the character appears in the word. Ex. Word: hello Dic={'h':1,'e':1,'l':2,'o':1}	4	3	3	2

M : Marks; L: Bloom's Taxonomy Level; CO; Course Outcome; PO: Programme Outcome

i)	Blooms Taxonomy Level – 1	20%
ii)	Blooms Taxonomy Level – 2	30%
iii)	Blooms Taxonomy Level – 3 & 4	50%
