Seat No.	:	

AO-122

April-2022

M.Sc. (CA & IT), Sem.-IV

Open Source Technologies Theory (OST Theory)

Time: 2 Hours] [Max. Marks										
Instructions: (i) (ii)		` /	In Section-I, out of five questions, attempt any three questions In Section-II, Question-6 is compulsory. In Question-6, out questions, attempt any eight questions.							
Section-I										
1.	(A) (B)	What	is Op	tB? Explain both open-source development models. een Source Software? Write the criteria of the distribution term ee Software.	(07) s of the (07)					
2.	(A) (B)	Write a short-note on VI Editor. Also explain all the modes and commands of VI Editor. (0' What are the environment variables (ENVs)? Explain some commonly used ENVs in detail.								
3.	(A) (B)	Explain python Data Types in detail. (07 Explain if-else and if-elif-else statement in python with example. (07)								
4.	(A) (B)	pytho	n.	efault arguments and Variable Length arguments of Functort-note on Lambda Functions in python.	ions in (07) (07)					
5.	(A) (B)	(i) (ii) Expla	Expla	e a short-note on Access Modes of File Handling in python. ain raise keyword in python exception handling. altiple and Multi-level Inheritance in python with example.	(04) (03) (07)					
				Section – II						
6.	Answ (1)		stands Appl Appl Appl	wing MCQs. (any eight) for ication Public Interface ication Programming Interface ication Private Interface of the above	(01)					

(2)	Who published CatB model ?											
	(a) Richard Stallman											
	(b)	Eric Raymond										
	(c)	Netscape Denoted Month										
	(d) Donald Knuth											
(3)	FSF is which type of foundation?											
	(a)	govt										
	(b)	profitable										
	(c)	non-profitable										
	(d)	semi-govt										
(4)	Which version of GNU GPL is/are widely used?											
` /	(a)	· · · · · · · · · · · · · · · · · · ·										
	(b)	GPL version 3										
	(c)	Both (a) & (b)										
	(d)	None										
(5)	Which command is used for detailed listing of files?											
	(a)	\$ls	S		(01)							
	(b)	\$1s-1										
	(c)	\$ls-d										
	(d)	\$ls-f										
(6)	Which character is used to make a comment in python?											
(0)	(a)	/	(b)	//	(01)							
	(c)	/ ** /	(d)	None of the above								
(7)	Data returned from the input function will be of which data-type?											
(,)	(a)	integer	(b)	float	(01)							
	(c)	boolean	(d)	None of the above								
(8)	Which of the following is not an access mode in file handling in python?											
(-)	(a)	rb	(b)	ra	(01)							
	(c)	ab+	(d)	W								
(9)	What will be the output of the following statements in python:											
(-)		= 10, "V"; print(z) ?			(01)							
	(a)	10	(b)	V	(*-)							
	(c)	(10,V)	(d)	error								
(10)	What is the syntax to access the doc-string of a python function?											
(10)	(a) functionname.doc (b) doc											
	(c)	functionname. doc	(d)	doc								
	(2)	1011011111111110000	(4)									

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