

CBCS SCHEME

18BT36

Third Semester B.E. Degree Examination, Jan./Feb. 2021 **Python Programming**

Time: 3 hrs.

Max. Marks: 100

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	No	ote: Answer any FIVE full questions, choosing ONE full question from each mod	dule.
		Module-1	
1	a.	Define algorithms. Describe the building blocks of an algorithm.	(12 Marks)
•	b.	With suitable example explain pseudo code.	(08 Marks)
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		OR	
2	a.	Mention the simple strategies for developing algorithms.	(12 Marks)
	b.	With suitable example, explain flow chart.	(08 Marks)
		Modulo-2	
2		What is an interpreter? Mention its types.	(06 Marks)
3	a.	Differentiate interpreter and compiler.	(04 Marks)
	b.	Explain the types of operators used in python programming with suitable example	
	C.	Explain the types of operators used in python programming with suitable example	(10 Marks)
		OR	la avamula
4	a.	Define function. What are the types of arguments in python? Explain with suitable	(10 Marks)
	1	Commend contract medules and functions	(05 Marks)
	b.	Compare and contrast modules and functions. With suitable example explain the usage of modules.	(05 Marks)
	C.	with suitable example explain the usage of mountes.	(02 1141113)
		Module-3	
5	a.	Explain in detail about iterations with suitable example.	(10 Marks)
	b.	What are loop control statements? Demonstrate with suitable examples.	(10 Marks)
		OR	
	_	With syntax and example, explain the following string operations:	
6	a.	i) upper() ii) lower() iii) find() iv) concatenation v) length.	(10 Marks)
	h	With suitable syntax and example differentiate string strip from string slice.	(10 Marks)
	b.	With suitable syntax and example differentiate string only more string only	
		Module-4	
7	a.	With suitable syntax and example explain the following list operators:	
		i) update() ii) delete() iii) append() iv) extend() v) length.	(10 Marks)
	b.	Explain function composition with suitable example.	(10 Marks)
		OR	
			(08 Marks)
8	a.	Write a python program with expected output to find the sum of array elements.	(12 Marks)
	b.	Compare and contrast linear search and binary search with suitable example.	(12 Marks)
		Module-5	
9	a.	Distinguish between List and Tuple with suitable operations.	(10 Marks)
	b.	Discuss in detail on dictionary operations and methods.	(10 Marks)
000 000		OR	(10 Marks)
10		Explain merge sort with suitable python program.	(10 Marks)
	b.	With suitable syntax and example discuss on list comprehension.	(10 manno)

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.