G.PULLAIAH COLLEGE OF ENGINEERING &TECHNOLOGY

(Accredited by NAAC with 'A' Grade of UGC, Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Ananthapuramu)
(Recognized by UGC under 2(f) & 12(B) & ISO 9001: 2008 Certified Institution)

(IV B.Tech II Semester (R13) I-MID Descriptive Examination February 2018)

PYTHON PROGRAMMING (13A05806)

TIME: 90 MINUTES **(COMPUTER SCIENCE & ENGINEERING)** **MAX MARKS: 30**
Date: 17-02-2018

SET NO: I

PART-I (2*5=10M)

Q.NO		Questions	Marks	Unit	CO	Cognitive Level
1	A	List out basic data types in python programming.	2 M	I	C424.1	Remember
	B	What are applications of python?	2 M	I	C424.1	Remember
	C	Distinguish tuple and list data strucutes.	2 M	II	C424.1	Analyze
	D	Write the syntax for creating a dictionary.	2 M	II	C424.2	Remember
	E	Distinguish between continue and pass in python.	2 M	III	C424.2	Analyze

PART-II (2*10=20M)

2 A	Define variable and keyword. What are naming conventions for creating variables.	5 M	I	C424.1	Understand
2 B	How to perform input and output operation in python.	5M	I	C424.1	Remember
	OR				
3	List the basic data types of Python. Describe with suitable examples.	10M	I	C424.1	Remember
4 A	Create a program to find the factorial of number.	4M	II	C424.2	Create
4 B	List out different iterative statements in python. Enumerate in detail each of them.	6M	III	C424.1	Remember
	OR				
5 A	Define list data structure. List out the different operations and methods that can be performed on list elements.	5M	II	C424.1	Remember
5 B	Enumerate defining and calling functions in python with example programs	5M	III	C424.2	Analyze

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SET NO: II

PART-I (2*5=10M)

Q.NO		Questions	Marks	Unit	CO	Cognitive Level
1	A	Define indentation in python	2 M	I	C424.1	Remember
	B	Write a program to find sum of numbers and to print their sum.	2 M	I	C424.1	Create
	C	Write the syntax for creating a dictionary.	2 M	II	C424.2	Remember
	D	List out the different data structures support by python programming.	2 M	II	C424.1	Remember
	E	How to represent variable length arguments in python.	2 M	III	C424.2	Understand

PART-II (2*10=20M)

2 A	Point out the need for learning python programming language.	5M	I	C424.1	Analyze
2 B	Enumerate any twenty keyword in python.	5M	I	C424.1	Understand
	OR				
3	Enumerate various operators in python programming. Give code segments of each operator usage.	10M	II	C424.1	Understand
4 A	Write a python program for multiplication of two 3 by 3 matrix.	5M	II	C424.2	Create
4 B	Define tuple data structure. List out the different operations and methods that can be performed on tuple elements.	5M	II	C424.2	Remember
	OR				
5 A	List out different iterative statements in python. Enumerate in detail each of them.	5M	III	C424.2	Remember
5 B	Write a program to describe keyword arguments in function calling.	5M	III	C424.2	Create

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SET NO: III

PART-I (2*5=10M)

Q.NO		Questions	Marks	Unit	CO	Cognitive Level
1	A	What are applications of python?	2 M	I	C424.1	Analyze
	B	What are the conventions followed in variable declaration and definitions in python?	2 M	I	C424.1	Remember
	C	Distinguish tuple and list data strucutes.	2 M	II	C424.2	Analyze
	D	Distinguish Identity and Membership operators in python.	2 M	II	C424.2	Analyze
	E	How to represent keyword arguments in python.	2 M	III	C424.2	Understand

PART-II (2*10=20M)

2	A	Point out the need for learning python programming language.	5 M	I	C424.1	Analyze
	B	How to perform input and output operation in python.	5 M	I	C424.1	Remember
		OR				
3	A	Write a python program for multiplication of two 3 by 3 matrix.	5 M	II	C424.2	Create
	B	Describe list and tuple comprehensions with examples.	5 M	II	C424.1	Understand
4		Define dictionary data structure. List out the different operations and methods that can be performed on dictionary elements	10M	II	C424.2	Remember
		OR				
5	A	Define function in python. Describe creation and invocation of user defined function with examples.	5 M	III	C424.2	Remember
	B	Enumerate in detail about Keyword parameter passing method.	5 M	III	C424.2	Understand

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TIME: 90 MINUTES **(COMPUTER SCIENCE & ENGINEERING)** **MAX MARKS: 30**

Date: 17-02-2018

SET NO: IV

PART-I (2*5=10M)

Q.NO		Questions	Marks	Unit	CO	Cognitive Level
1	A	List out basic data types in python programming.	2 M	I	C424.1	Remember
	B	Write the syntax for creating a dictionary.	2 M	II	C424.1	Remember
	C	List out the different operators in python programming Language.	2 M	II	C424.1	Understand
	D	Write a program to print 1 to 10 numbers using while loop.	2 M	III	C424.2	Create
	E	How to represent default arguments in python.	2 M	III	C424.2	Remember

PART-II (2*10=20M)

2	List the basic data types of Python. Describe with suitable examples.	10M	I	C424.1	Understand
	OR				
3 A	Point out need for learning python programming language.	5M	I	C424.1	Analyze
3 B	How to perform input and output operation in python.	5M	I	C424.1	Remember
4 A	Develop a python program to find the sum of the digits of a given number	5M	II	C424.1	Create
4 B	List out different jump statements in python. Distinguish them with example programs	5M	III	C424.2	Analyze
	OR				
5 A	Define tuple data structure. List out the different operations and methods that can be performed on tuple elements.	5M	II	C424.2	Remember
5 B	Define function in python. Describe creation and invocation of user defined function with examples.	5M	III	C424.2	Remember