G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.

UG DEGREE END SEMESTER EXAMINATIONS - APRIL 2025.

(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.C.A.

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
I	PART - III	CORE - I	U23CA101	PYTHON PROGRAMMING

Date & Session:24.04.2025 / AN   **Time : 3 hours**   **Maximum: 75 Marks**

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer ALL Questions.
CO1	K1	1.	Who developed Python Programming Language? a) Wick van Rossum b) Rasmus Lerdorf c) Guido van Rossum d) Niene Stom
CO1	K2	2.	Python is a _____ Level Language. a) Assembly b) Machine c) High d) Low
CO2	K1	3.	Which of the following is used to define a block of code in Python language? a) Indentation b) Key c) Brackets d) All of the mentioned
CO2	K2	4.	_____ flow structure the statements are executed in line by line. a) Control b) Interactive c) Sequence d) Multi
CO3	K1	5.	Find the keyword used for function. a) fun b) define c) def d) function
CO3	K2	6.	Evaluate the value of abs (-22.3) _____ a) -22.3 b) 22.30 c) 22.03 d) 22.3
CO4	K1	7.	Which of the following creates a tuple? a) tuple1=("a","b") b) tuple1[2]=("a","b") c) tuple1=(5)*2 d) tuple1=[a:b]
CO4	K2	8.	In order to store values in terms of key and value we use what core data type? a) list b) tuple c) class d) dictionary
CO5	K1	9.	What function is used to open a file in Python for reading? a) open_file() b) read_file() c)open() d) read()
CO5	K2	10.	Select the method which is used to position the file object at a particular position in a file. a) tell( ) b) seek( ) c) locate( ) d) position( )
Course Outcome	Bloom's K-level	Q. No.	SECTION – B (5 X 5 = 25 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K3	11a.	Mention the features of python Programming. **(OR)**
CO1	K3	11b.	Writing and executing first python program with example.
CO2	K3	12a.	Write a Python Program to find the largest number using if-elif-else statement (OR)
CO2	K3	12b.	Demonstrate the Continue and Pass statement with example.

Course Outcome	Bloom's K-level	Q. No.	
CO3	K4	13a.	Illustrate about Function definition and calling.
			(OR)
CO3	K4	13b.	Write a Python program for String Operations.
CO4	K4	14a.	Discuss basic List operations with Example.
			(OR)
CO4	K4	14b.	Differentiate between a List and a Dictionary.
CO5	K5	15a.	Write an example program for File handling.
			(OR)
CO5	K5	15b.	Evaluate the File Access Modes in a Python with example.

Course Outcome	Bloom's K-level	Q. No.	SECTION – C (5 X 8 = 40 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K3	16a.	Write about the Built-in data types in Python.
			(OR)
CO1	K3	16b.	Write a Python Program using various operators.
CO2	K4	17a.	Write a python program for Armstong number using while statement.
			(OR)
CO2	K4	17b.	Outline the usage of 'For Loop' with example.
CO3	K4	18a.	What is recursion? Explain Factorial of N Number Using Recursion.
			(OR)
CO3	K4	18b.	Define Module. How to import a module in python explain with example?
CO4	K5	19a.	Describe Built-in-Functions and methods used on Tuples with example.
			(OR)
CO4	K5	19b.	Discuss about update and deleted elements from dictionary with example.
CO5	K5	20a.	Discuss about opening and Closing file with example.
			(OR)
CO5	K5	20b.	Briefly explain Read Operations on file with example.