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

UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2024.

(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.C.A.

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
III	PART - III	CORE - 1	U23CA101	PYTHON PROGRAMMING

Date & Session: 09.11.2024 / FN   **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.	Which of the following is the correct extension of the Python file? a) python b) pl c) py d) p
CO1	K2	2.	The index of the first element in a Python array is ____. a) 0 b) 1 c) 2 d) 3)
CO2	K1	3.	_____ is used for conditional execution in Python. a) if b) main c) except d) try
CO2	K2	4.	How can you exit a while loop early? a) Use continue b) Use exit c) Use return d) Use break
CO3	K1	5.	_____ keyword is used for function in Python. a) Function b) def c) Fun d) Define
CO3	K2	6.	_____string function used to convert a string to lowercase in Python. a) string.lowercase() b) string.to_lower() c) string.lower() d) string.lowercase()
CO4	K1	7.	The method used to remove the last item from a list _____. a) pop() b) remove() c) delete() d) discard()
CO4	K2	8.	Suppose d = {"john":40, "peter":45}. To obtain the number of entries in dictionary which command do we use? a) d.size() b) len(d) c) size(d) d) d.len()
CO5	K1	9.	Which function is used to open a file in Python? a) open_file() b) read_file() c) file_open() d) open()
CO5	K2	10.	_____method is used to return the current position of the file cursor. a) file.position() b) get_cursor_position() c) file.tell() d) cursor_location()
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.	Define Variable and mention rules for choosing names of Variable.
			(OR)
CO1	K3	11b.	Explain in detail about different Arithmetic operators in Python.
CO2	K3	12a.	Write a python program to find the largest among three numbers.
			(OR)
CO2	K3	12b.	Determine the Jump statements with example.

Course Outcome	Bloom's K-level	Q. No.	
CO3	K4	13a.	How to create function in Python? Explain.
			(OR)
CO3	K4	13b.	Write recursive function to find factorial of a number.
CO4	K4	14a.	Differentiate List and Tuple with example.
			(OR)
CO4	K4	14b.	Interpret about creating, accessing, updating and deleting elements in Tuple.
CO5	K5	15a.	Evaluate the types of files in Python.
			(OR)
CO5	K5	15b.	Show how to read and write files in Python with examples.

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.	Discuss in detail about the data types in Python.
			(OR)
CO1	K3	16b.	Illustrate array and its methods in Python.
CO2	K4	17a.	Illustrate about Control flow structures in Python.
			(OR)
CO2	K4	17b.	Classify the looping statements in Python.
CO3	K4	18a.	Categorize different string operations in Python.
			(OR)
CO3	K4	18b.	What is module? Write a Python code to check the given number is prime or not using modules.
CO4	K5	19a.	Write a few methods that are used in Python Lists.
			(OR)
CO4	K5	19b.	Explain what is dictionary and how it was created, deleted in Python?
CO5	K5	20a.	Appraise the various file modes in Python.
			(OR)
CO5	K5	20b.	Interpret the following file built-in function and methods with clear syntax, description and illustration: i)open() ii)file() iii)seek() iv)tell v)read()