Reg. No.:				

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



PG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2025.

(For those admitted in June 2025 and later)

PROGRAMME AND BRANCH: M.Sc., COMPUTER SCIENCE

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
I	PART - III	CORE-3	P25CS103	PYTHON PROGRAMMING

Date & Session: 07.11.2025/FN Time: 3 hours Maximum: 75 Marks

			7.11.2025/FN	lime: 3 nours	maximum: 75 marks
Course Outcome	Bloom's K-level	Q. No.		SECTION – A (10 X 1 = 10 Answer ALL Question	
CO1	K1	1.	Which of the opera a) / c) %	ator gives the remainder after b) // d) *	division?
CO1	K2	2.	Which of the followa) abc c) a_z	wing is not a valid identifier? b) _az d) roll no	
CO2	K1	3.	What will be the or a = 1 while True: if a % 7 = = 0: break print(a) a += 1 a) 12345 c) 1234567	tput of the following python b) 1 2 3 4 5 6 d) infinte	code.
CO2	K2	4.	Which statement is loop in which it ap a) pass c) continue	s used to terminate the execu opears? b) skip d) break	tion of the nearest enclosing
CO3	K1	5.	Which method is a created? a)start c)init	automatically executed when a b)create d)def	an object of a class is
CO3	K2	6.	What is the use of duck typing? a) more restriction on type values that can be passed to a given method b) no restriction on type values that can be passed to a given method c) less restriction on type values that can be passed to a given method d) makes the program code smaller		
CO4	K1	7.	Which method is u a) 'r' c) 'br'	used to read a binary file in py b) 'rb' d) 'r+b'	ython?
CO4	K2	8.	Which HTTP meth a) POST c) PUT	od is most appropriate to retr b) GET d) DELETE	ieve data from a server?

CO5	K1	9.	Which method is used to start a thread? a) begin() b) call()		
			c) run() d) start()		
CO5	K2	10.	What does API stand for? a) Advanced Programming Interface b) Application Program Instruction c) Application Programming Interface d) Automated Process Interface		
Course Outcome	Bloom's K-level	Q. No.	$\frac{\text{SECTION} - B \text{ (5 X 5 = 25 Marks)}}{\text{Answer } \underline{\text{ALL }} \text{Questions choosing either (a) or (b)}}$		
CO1	K2	11a.	Examine in detail about the following with example. (i) Basic operations of strings (ii)indexing and slicing (OR)		
CO1	K2	11b.	Describe in detail about Dictionary with its methods.		
CO2	K2	12a.	Demonstrate while statement with example. (OR)		
CO2	K2	12b.	Ellaborate the procedure to create functions in python with an example.		
CO3	КЗ	13a.	Analyze Command line arguments with example. (OR)		
CO3	КЗ	13b.	Identify the uses of the following (i) super keyword in class (ii) get and set attribute		
CO4	КЗ	14a.	Paraphrase the steps to store and retrieve data in a binary file. (OR)		
CO4	КЗ	14b.	Discuss about NoSQL data store with example.		
CO5	K4	15a.	Demonstrate the purpose of calendar and clock with example. (OR)		
CO5	K4	15b.	Delineate network and TCP/IP.		

Course Outcome	Bloom's K-level	Q. No	$\frac{\text{SECTION} - C \text{ (5 X 8 = 40 Marks)}}{\text{Answer } \frac{\text{ALL}}{\text{Questions choosing either (a) or (b)}}$
CO1	K4	16a.	Illustrate list and its methods with example. (OR)
CO1	K4	16b.	Analyse set and its methods with example.
CO2	K5	17a.	Analyse if statement and else-if statement with example program. (OR)
CO2	K5	17b.	Discuss exception handling with an example?
CO3	K5	18a.	Analyse the concept of Inheritance with an example. (OR)
CO3	K5	18b.	Discuss method overriding with example program.
CO4	K5	19a.	Narrate the steps to create, store and retrieve data in a text files? (OR)
CO4	K5	19b.	Discuss web services and animation with example.
CO5	К6	20a.	What do you mean by thread? Demonstrate green threads and event with example. (OR)
CO5	К6	20b.	Discuss ZeroMQ and Internet services.