

	P.E.S. COLLEGE OF ENGINEERING (AN AUTONOMOUS INSTITUTE) CHH. SAMBHAJINAGAR-431002 Regular Winter Examination – 2025 Course: F.Y. B. Tech Branch: F.Y.(All) Semester: II Subject Code & Name: ESC BTPESA104T Computer Programming Max Marks: 30 Date: 06 /07/2026 Duration: 2 Hr.			
	Instructions to the Students: 1. All the questions are compulsory. 2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question. 3. Use of non-programmable scientific calculators is allowed. 4. Assume suitable data wherever necessary and mention it clearly.			
		(Level/CO)	Marks	
Q.1	Solve Any five of the following.		2X5=10	
A)	What is a program? Definition of program – 1 mark Task of program - 1 mark	BT1/CO 1	2	
B)	Define Computer? Definition of computer – 1 mark Task of computer - 1 mark	BT1/CO 1	2	
C)	Which operators are used as arithmetic operators in a C program? Name of operators – 1 mark symbol of operators – 1 mark	BT4/CO 1	2	
D)	List out the loops in C-Programming? Quantity of loops- 0.5 marks Name of 3 types of loops in c program - 0.5 mark for each	BT2/CO 2	2	
E)	Define any two features of python programming? Any two features – 1 mark each	BT1/CO 2	2	
F)	Define Indentation in python programming with example? Definition- 1 mark Example – 1mark	BT1/CO 2	2	
G)	Explain the pass statement from python programming? Definition -1 marks Example – 1 mark	BT1/CO 3	2	

Q.2	Solve Any Two of the following.		10
A)	Explain the different Data types in C with suitable example? Name and example of data type- 5 mark (0.5 mark for name and 0.5 mark for example each , for any 5 data types)	BT2/CO 1	5
B)	Write a C program to check if the given number is positive, negative or zero? Logic and correctness – 2.5 marks Syntax correctness – 1 mark Variable description / comments- 1 mark Overall program – 0.5 marks	BT3/CO 2	5
C)	Explain the C-Tokens of C-Programming Language? Definition – 1 mark Name and example of C token – 4marks (1 mark each)	BT2/CO 1	5
Q.3	Solve Any Two of the following.		10
A)	State any five applications of python programming? Any 5 application -1 mark each	BT2/CO 2	5
B)	Differentiate between structured and object-oriented language? Any five points of differentiation – 1 mark each point	BT4/CO 2	5
C)	Write a Program in python language to calculate area of triangle, rectangle, and circle? Logic and correctness – 2.5 marks Syntax correctness – 1 mark Variable description / comments- 1 mark Overall program – 0.5 marks	BT3/CO 3	5
	*** End ***		