

<p style="text-align: center;">P.E.S. COLLEGE OF ENGINEERING (AN AUTONOMOUS INSTITUTE) CHH. SAMBAJINAGAR-431002 Regular Winter Examination – 2025</p> <p>Course: F.Y. B.Tech Branch: ECE, EE(VLSI Design & Tech), Civil and Mechanical Semester: I Subject Code & Name: BTPESA104T Computer Programming</p> <p>Max Marks: 30 Date: / / Duration: 2 Hr.</p>			
<p>Instructions to the Students:</p> <ol style="list-style-type: none"> 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)	Define Computer Memory and Mention its Types? Definition – 1 mark Types - 0.5 mark each	BT1/CO1	2
B)	What is Operating System? Definition – 1 mark Task of operating system - 1 mark	BT1/CO1	2
C)	Define Computer? Definition of computer – 1 mark Task of computer - 1 mark	BT1/CO1	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/CO2	2
E)	Define Indentation in python programming with example? Definition – 1 mark example - 1 mark	BT1/CO2	2
F)	Explain the pass statement from python programming? What is pass statement? -1 marks Example – 1 mark	BT2/CO3	2
G)	Define list in python with example? Definition – 1 mark example - 1 mark	BT1/CO3	2
Q.2	Solve Any Two of the following.		10
A)	Describe the Computer Generations?	BT2/CO1	5

	Name of generation- 1 mark Duration – 1 mark Technology used - 1 mark Work - 1 mark Example – 1 mark (for all 5 generation each)		
B)	Explain the C-Tokens of C-Programming Language? Definition – 1 mark Name and example of C token – 4 mark (1 mark each)	BT2/CO1	5
C)	Write a C program to Calculate and Display the factorial of given a number? Logic and correctness – 2.5 marks Syntax correctness – 1 mark Variable description / comments- 1 mark Overall program – 0.5 marks	BT3/CO2	5
Q. 3	Solve Any Two of the following.		10
A)	Differentiate between structured and object-oriented language? Any five points of differentiation – 1 mark each point	BT4/CO2	5
B)	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/CO3	5
C)	Write a Program in python language to find the union and intersection of two lists? Logic and correctness – 2.5 marks Syntax correctness – 1 mark Variable description / comments- 1 mark Overall program – 0.5 marks	BT3/CO3	5
	*** End ***		