

**DEPARTMENT OF ELECTRICAL ENGINEERING**  
**UNIVERSITY COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**OSMANIA UNIVERSITY**

CLASS: BE-(EEE)  
SEMESTER: V  
CLASS TEST: (  
ACADEMIC YEAR: 2025-2026  
SUBJECT: Basic Python Programming

Time: 1.30 hours

Max. Marks: 30

Note: Pseudo code here refers to logic/explanation or steps. Precise python syntax is not mandatory.

PART – A (2X5=10 Marks) Answer all questions				
		Marks	BT	CO
1. a)	Name any four key components of a computer?	2	1	1
b)	Name any four inbuilt python functions?	2	1	2
c)	What is type casting in python and explain with one example?	2	2	1
d)	Create an infinite loop in python using any loop construct (pseudo code)?	2	4	1
e)	Write pseudo code to swap two numbers using a temporary variable (e.g., if a =3 and b=4, the program should return a=4 and b=3)	2	3	1
PART – B (2x10=20 Marks) Answer any two questions				
2. a	Name five differences in features between C/C++ and Python?	5	1	1
b	Write Algorithm and flowchart to print even numbers between 9 and 100?	5	3	2
3. a	Write an algorithm and draw flow chart to find the smallest of two numbers?	5	3	1
b	Write an algorithm and draw flow chart to find the sum of the series 1+2+3+.... N	5	3	1
4.	Explain each python data type/structure below with an example with its syntax? 1. Numeric data types (integer and float) 2. Strings	10	2	2

