

Only for 2021  
to 2023 AD  
admitted  
Students

**TRIBHUVAN UNIVERSITY**  
**FACULTY OF MANAGEMENT**  
Office of the Dean  
**June 2026**

**Full Marks: 60**  
**Pass Marks: 30**  
**Time: 3 Hrs.**

**BIM / Fifth Semester / IT 243: Programming with Python**

*Candidates are required to answer the questions in their own words as far as practicable*

**Group “A”**

**Brief Answer Questions:**

**[10×1=10]**

1. List any two features of python.
2. Define pass statement.
3. List the difference between mutable and immutable data type.
4. State any one disadvantage of recursion.
5. What is abstract class?
6. List any two file opening modes in python.
7. What is a pandas DataFrame?
8. Write any two advantages of GUI over CLI.
9. What is a constructor?
10. What are the uses of statistical function?

**Group “B”**

**Short Answer Questions:(Attempt any FIVE Questions)**

**[5×3=15]**

11. Explain the use of break and continue statements in python with example.
12. Explain the concept of tuple unpacking and joining with example.
13. Write a Python program to find the length of a string.
14. Write a program in python to illustrate the concept of exception handling.
15. How do you create and import modules? Explain.
16. Write a program that returns the minimum, maximum and average from a list of number.

**Group “C”**

**Long answer questions: (Attempt any THREE Questions)**

**[3×5=15]**

17. Define operator overloading in python. Explain it with a suitable example.
18. Write a python program to accept two numbers from the user and display odd numbers between them.
19. Explain the different types of tokens in python with example.
20. Write a program in python to create a file, writes student records into it, read the data from the file, and finally delete the file.

## Group "D"

### *Comprehensive Answer / Case / Situation Analysis Questions:*

*[2×10=20]*

21. Create a Doctor Management System in python using SQLite to store doctor information such as name, specialization and experience. The system should support basic CRUD operation (add, view, update, delete) and allow searching of doctor records.
22. How different types of graphs can be plotted in python? Illustrate it with example.

