

IMSc IT AN VFX (NEP) Sem.-3 Examination

SEC-236

Basics of Python Programming

Time : 1.00 Hour]

December-2025

[Max.Marks : 25

Q1. Answer the following.**10 Marks**

A. What is Python? Explain any four key features of Python. What are syntax errors, runtime errors, and semantic errors? Give one example of each.

OR

B. What are variables in Python? Write rules for naming variables. What do you mean by *type conversion*? Explain implicit and explicit type conversion.

Q2. Answer the following.**10 Marks**

A. Explain **if**, **if-else**, and **nested if-else** with examples.

OR

B. What are loops? Explain **for loop** and **while loop** with examples. What are **break** and **continue** statements?

Q3. Answer the following.**05 Marks**

A. What is a function? Explain *function definition*, *function call*, *parameters* and *arguments*.

OR

B. Explain the order of operations (precedence rules) in Python with a simple example.

