



K25U 2754

Reg. No. :

Name :

V Semester B.A./B.A. Afsal-UI-Ulama/B.Sc./B.Com./B.T.T.M./B.B.A./
B.B.A. – T.T.M./B.B.A. – A.H./B.C.A./B.S.W./B.M.C. Degree
(C.B.C.S.S. – O.B.E. – Regular/Supplementary/Improvement)

Examination, November 2025

(2019 to 2023 Admissions)

Generic Elective Course

5D03 AIML : PROGRAMMING IN PYTHON

Time : 2 Hours

Max. Marks : 20

SECTION – A

Answer **all** questions.

(6×1=6)

1. Which are the membership operators in Python ? Give example.
2. What is a tuple ? Give example.
3. What is numpy ?
4. What is the use of split() function in Python ?
5. What is the purpose of math module in Python ?
6. Give the syntax and example for opening a file.

SECTION – B

Answer **any four** questions.

(4×2=8)

7. Explain slicing operations on strings in Python.
8. How will you insert an item to a dictionary ? Give example.
9. Explain the append() and count() functions in list with an example.

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10. What are lambda functions ?
11. Explain reshape() in numpy with an example.
12. Explain arithmetic operations on numpy arrays with example.

SECTION – C

Answer **any one** question.

(1×6=6)

13. Explain if, if..else and if..elif..else statements in Python with syntax and example.
14. Explain required arguments and keyword arguments in Python functions with examples.

