School of University Polytechnic
Diploma in Computer Science and Engineering
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem V - N1DF504C - Python

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1) What are the properties of algorithm? — K1 (2)

2) Explain the negative indexing in Python and why are they used? — K2 (4)

3) Outline the new features added in Python 3.9.0.0 version? — K2 (6)

4) Identify the use cases of local variables and global variables in Python? — K3 (9)

5) Identify how Python does Compile-time and Run-time code checking? — K3 (9)

6) How to remove whitespaces from a string in Python? Explain. — K5 (10)

7) Assume if you have to check if a sequence is a Palindrome. Write a Program in Python to identify whether the input string is palindrome or not. — K4 (12)

8) Deduct the features of python dictionaries — K5 (15)

9) Determine how to send an email in Python Language? — K5 (15)

10) Elaborate the process of compilation and linking in python? — K6 (18)