

ADITYA ENGINEERING COLLEGE

Surapalem, ADB Road, Rajhamundry

Computer Science 2,1

Python

2024-08-31

Duration: 3 Hours

Max Marks: 70

Note: Answer any 5 from the each section.

Instructions

1. Answer all questions.
2. Write your answers clearly and legibly.

Part A

1. How do you define a function in Python?
2. What does the len() function do?
3. How do you access elements in a list?
4. How do you handle exceptions in Python?
5. What is a lambda function in Python?
6. What is a tuple and how does it differ from a list?
7. How do you create a list in Python?

Part B

1. What is inheritance in Python?
2. How do you iterate over a dictionary in Python?
3. How do you perform exception handling with custom exceptions?
4. What is the purpose of self in a class?
5. How do you concatenate strings in Python?
6. What are Python decorators?
7. What is the difference between == and is?

Part C

1. How do you handle JSON data in Python?
2. What is the purpose of the with statement?
3. How do you perform unit testing in Python?
4. What is the purpose of __init__ in a class?
5. How do you use regular expressions in Python?
6. What is a generator in Python?
7. How do you handle command-line arguments in Python?

End of Question Paper