Python Mock Test

Ref: TV/AM/P/60/1 MM: 60

Note: Each question carries 4 marks

- 1. Explain the difference between mutable and immutable data types in Python. Provide examples for both.
- 2. List out all the Python keywords and explain lambda concept using map, filter and reduce
- 3. How does Python handle variable scope and what are the different types of variable scopes available?
- 4. Write a Python function to print all prime numbers between given number1 and number2.
- 5. Create function to check given number is an Armstrong number or not.
- 6. Write a Python function to generate the first n Fibonacci numbers.
- 7. Write a Python function to reverse a list without using list.reverse() method or reversed() function.
- 8. Explain the concept of *args and **kwargs in function and difference b/w return and print with example.
- 9. What is generator and yield concept in python.
- 10. Write a Python function to check if two strings are anagrams without using any methods.
- 11. Write a Python program to print the given pattern



- 12. Explain the difference ways to import module and methods. Provide an example of some math, random and time module
- 13. Write a Python program that catches a Value Error or Type Error exception and prints an appropriate message, what are the different Block of try and exception handling.
- 14. Write a Python program to read a textual file and write it into a new file, explain different modes of file handling with explanation.
- 15. Write a Python program using regular expressions to find all email addresses in a given string.
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