

INSTRUCTIONS:

1. Paper is divided into 3 sections i.e TYPE A, B and C.
2. Type A contains SHORT ANSWER TYPE / CONCEPTUAL questions carries 1 mark each
3. Type B contains APPLICATION BASED questions carries 2 marks each
4. TYPE C contains PROGRAMMING PRACTICE questions carries 2 marks each

TYPE A (5 MARKS) – SHORT ANSWER TYPE / CONCEPTUAL QUESTIONS

- Q1. Given two list:
 L1=['this','is','a','dictionary']
 L2=['this',['is','another'],'list']
 Find out an output of the following:
 i) L1[3][4] ii) L2[1][1][2].upper()
- Q2. Odd=[6,3,5]
 print((Odd+[2,4,6])[4])
 print((Odd+[13,24,26])[4]-(Odd+[2,4,6])[4])
 Find an output of the following above code snippet.
- Q3. **Predict an output:**
 a, b, c=[1,2],[1,2],[1,2]
 print(a==b)
 print(a is b)
- Q4. Write the output of the following :
 >>> t1={1,2,3,4,5,6,7}
 >>> t1[t1[1]] + t1[t1[-4]]
- Q5. Find an output of the following:
 a=("Amit", "Sumit", "Ashish", "Sumanta")
 print(a.index("Sumit")+4//3**2)

TYPE B (12 MARKS) – APPLICATION BASED QUESTIONS

- Q6. What is the significance / importance of tuple in Python?
- Q7. What is the difference between sort() and sorted() functions. (Mention any two unique points)
- Q8. **What will be the output of the following code?**
 a=[1,2,3,4]
 s=0
 for a[-1] in a:
 print(a[-1])
 s+=a[-1]
 print('sum=',s)
- Q9. What do you mean by unpacking of tuple? Give an example of it.
- Q10. Can you change an element of a sequence in tuple? What if the sequence is a dictionary? What is the sequence is a tuple
- Q11. What do you mean by IndexError exception? Give an example of it.

TYPE C (8 MARKS) – PROGRAMMING PRACTICE

- Q12. Write a program in Python which consider any list of integers and display the sum of all elements (those elements are placed in even index position).
- Q13. Write a program which consider any tuple of integers and find out the maximum / largest element present in tuple.
- Q14. Write a program to check if a tuple contains any duplicate elements
- Q15. Ask the user to enter a list of strings. Create a new list that consists of those strings with their first characters removed.