Tuple Assignment

Q1. A tuple is a mutable data type ( True/ False)

Q2. Define a blank tuple t1

Q3. Find out the correct way to declare a tuple with one element

1. T1 = 10
2. T1 = (10)
3. T1= (10,)
4. Both b and c

Q4.  A tuple t1 contains the following element  
t1  = ( 10,20,’rakesh’, 12.34,’a’, 40,50)  
find out the output of the following  commands

1. Print(t1[2])
2. Print(t1[2][2])
3. Print(t1[-4])
4. Print(t1[:5])
5. Print(t1[1:4]
6. Print(t1[::2]
7. Print(t1[::-1]

Q5. Find out the output of the following code  
t1  = ( 10,20,’rakesh’, 12.34,’a’, 40,50)  
t2 =  (20,30,40)

1. T2 = t1+t2
2. Print(t1\*2)

Q6. Find out the output of the following code segments  
t1  = ( 10,20,’rakesh’, 12.34,’a’, 40,50)  
t2 =  (20,30,40)

1. Print(t1>t2)
2. Print(len(t1)>(t2))
3. Print (t1==t2)

Q7. Find out the output of the following code segment  
t1  = ( 10,20,’rakesh’, 12.34,’a’, 40,50,’a’)

Q8. Suppose a tuple t1 has the following elements. Find out the sum of all the numbers in this tuple  
t1 = ( 10,20,’rakesh’, 12.34,”a”, 40,50)

Q9. Write a program in python to find out the largest number from a tuple of numbers without using built in method max( )

Q10. Write a program in python to find out the sum of all the odd numbers available in a tuple

Q11.  Write a program in Python to find out an element from a tuple of number. Print number is available if number exists in our tuple otherwise display ‘ Number does not exists’ using linear search method. ( Do not use membership operator)

Q12. Write a program in Python to find out the frequency of an element in any given tuple. ( Do not use built in method count() )