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**WINTER BREAK HOMEWORK 2019-20**

**SUBJECT : COMPUTER SCIENCE**

**CLASS XI**

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| Q.1 | a)  i)  ii) | Write the output of the following code snippet:  Tup=((1,2),)\*7  print(len(Tup[3:8])  T1=(1,)\*3  T1[0]=2  print(T1) |
|  | b) | Figure out the errors that the code may produce and rewrite the correct code and also underline the corrections.  t1=(6, 7)  t2=t1\*3  t3=t1 \* (3)  t4=t1 \* (3, )  print (t2)  print (t3)  print (t4) |
| Q.2 | a) | Write a program to find the minimum element from a list of element along with its index. |
|  | b) | Write a program to calculate mean of a given list of numbers. |
|  | C ) | Find the output:  (i) list=['p','r','o','b','l','e','m']  list[1:3]=[ ]  print(list)  list[2:5]=[ ]  print (list)  (ii) l1=[13,18,11,16,13,18,13]  print(l1.index(18))  print(l1.count(18))  l1.append(l1.count(13))  print(l1) |
| Q3. | a) | Write a statement to reverse a list L1. |
|  | b) | Write a statement to sort a list L1 in decreasing order. |
|  | c) | What is the error in the following code if T1 is a tuple:-  del T1(3) |
|  | d) | Which of the following qualify to be keys of a dictionary?  String , tupple,integer, float,list,dictionary |
| Q4. |  | Write the most appropriate LIST method to perform the following tasks with a statement assuming list name as L1. |
|  | a) | Delete a given element from the list. |
|  | b) | Delete 3rd element from the list. |
|  | c) | Add element at the end of the list. |
|  | d) | Add element at the beginning of the list. |
|  | e) | Add elements of a list in the end of a list. |