Dictionary Assignment

Q1. Is Python dictionary is a sequential Data structure in Python?

Q2. Which is mutable in Python Dictionary keys or values?

Q3. What will be the output of the following code  
D1 = {‘john’:40,’peter’:45}  
D2 = {‘john’:440,’peter’:245}  
>>>D1==D2

Q4. What will be the output of the following code  
D1 = {‘john’:40,’peter’:45}  
D2 = {‘john’:440,’peter’:245}  
>>>D1 > D2

Q5. Suppose a dictionary d= {‘john’:40,’peter’:45}. Which command is suitable to find out the length of this dictionary.  
a) d.size() b) len(d) c) size(d) d) d.len( )

Q6. What will be the output of the following  
D= {‘john’:40,’peter’:45}  
>> ‘john’ in D

Q7. Create a Python Dictionary of student having the following values  
Admission No : 1234 Student Name : rakesh kumar stream : science fees : 2345.56 grade : A

Q8. Consider a Python dictionary Emp as per the following declarations  
Emp ={ ‘empcode’: 1102 , ‘Name’: ‘arjun singh’ ,’ dept’: ‘sales’ ,’salary : 35000, ‘desig’:’manager’}  
Change the name of employee of the above dictionary to ‘ ram singh dinkar’

Q9. Add a new key in the above employee dictionary ‘date\_join’ with value ’16-11-2020’

Q10. Remove a key ‘desig’ from the above dictionary of employee.

Q11. Consider a dictionary of Parts  
Parts ={ ‘partno’ 1234, ‘partName’: ‘screw driver’, ‘price’: 56.50, ‘supplier’:’ ABN Amro’}  
Find out whether the supplier key exists in the above dictionary exists or not using membership operator

Q12. Display the contents of the following dictionary using Python For Loop  
Parts ={ ‘partno’ 1234, ‘partName’: ‘screw driver’, ‘price’: 56.50, ‘supplier’:’ ABN Amro’}

Q13. Write a Python program to read the admission number and names of 10 students from the keyboard. Create a dictionary of these admission number and names and then display them on the screen  
solution

Q14. Write a program in Python to find out the frequency of each number stored in a list using a python dictionary.  
Example  
List1 = [1,2,3,4,5,6,7,8,9,7,6,2,4,2,5,23,6,4]  
Output ={1: 1, 2:2,3:1,4:4,5:1,6:2,7:7,23:1}  
solution

Q15. Write a program in Python to read the admission number, name of student and his/her stream of 10 students and create a dictionary from this information. Find out whether the name ‘Arjun’ exist in this list or not. If yes then display his/her complete information on the screen otherwise display “Name does not exist’.

Q16. Create a Dictionary of numbers that contains the number and its square as its value.  
Example  
Numbers ={ 1: 1, 2: 4, 3:9, 4:16, 5:25, 6:36, 7:49,8:64,9:81,10:100}