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| **PT3/CSQP/1122/A 06-FEB-2023** | | | | | | |
| **PERIODIC TEST III 2022-23** | | | | | | |
| **Subject: COMPUTER SC (083)**  **Grade: XI** | | | Max. Marks: 35Time: 1Hr 20Mins | | | |
| General Instructions:This question paper consists of four sections A, B, C . Each part is compulsory.Section A – consists of 7 questions (1-7). Each question carries 1 mark.  1. Section B – consists of 8 questions (8-15). Each question carries 2 marks. 2. Section C – consists of 4 questions (16-19). Each question carries 3 marks. 3. All programming questions are to be answered using Python Language only. | | | | | | |
| **Qno** | **SECTION A** | | | | | Mark |
| **1.** | What will be the output of:  >>> x="py",  >>> type(x) | | | | | **1** |
|  | **a.** | <class ‘str’> | | **b.** | <class ‘list’> |  |
|  | **c.** | <class ‘tuple’> | | **d.** | Type Error |  |
| **2.** | Identify the output of the following Python statements.  lst1 = [10, 15, 20, 25, 30]  lst1.insert( 3, 4)  lst1.insert( 2, 3)  print (lst1[-5]) | | | | | **1** |
|  | **a.** | 2 | | **b.** | 3 |  |
|  | **c.** | 4 | | **d.** | 20 |  |
| **3.** | Which line out of the given option will cause an error given two lists  L1=["Hi","how","are","you"]  L2=["Hi",["how","are"],"you"] | | | | | **1** |
|  | **a.** | L1==L2 | | **b.** | L1[3].upper( ) |  |
|  | **c.** | L2[1].upper( ) | | **d.** | L2[1][1].upper( ) |  |
| **4.** | Which of the following operator cannot be used with string data type? | | | | | **1** |
|  | **a.** | + | | **b.** | in |  |
|  | **c.** | \* | | **d.** | / |  |
| **5.** | Consider a tuple tup1 = (10, 15, 25,30). Identify the statement that will result in an error. | | | | | **1** |
|  | **a.** | print(tup1[2]) | | **b.** | tup1[2] = 20 |  |
|  | **c.** | print(min(tup1) | | **d.** | print(len(tup1)) |  |
| **6.** | What will be the output of the following code:  str="Jolly good fellow" str=str[6::2] print(str) | | | | | **1** |
|  | **a.** | Error | | **b.** | good fellow |  |
|  | **c.** | go elw | | **d.** | wle og |  |
| **7.** | What is the output of following code:  T=(100)  print(T\*2) | | | | | **1** |
|  | **a.** | (100,) | | **b.** | (100,2) |  |
|  | **c.** | 200 | | **d.** | (100,100) |  |
|  | **SECTION B** | | | | |  |
| **8.** | Differentiate between append( ) and extend( ) method with example. | | | | | **2** |
| **9.** | Write the statements for following using python methods:  a. To insert an element 65 at 4th position in the list L1= [23,34,56,78,90] , so that after the insertion L1=[23,34,56,65,78,90]  b. To delete the element at 2nd position in the list Lst= [ 1,2,3,4,5] , so that after deletion Lst= [1,3,4,5] | | | | | **2** |
| **10.** | **Write the output of the following code:**  **phone="+971928373061"**  **print(phone.rstrip('3106'))**  **print(phone[-3:4:-2])** | | | | | **2** |
| **11.** | **Find the output of the following code:**  **T=(25,8,75,12)**  **Tup=()**  **for i in range(len(T)):**  **if T[i]%5 == 0:**  **Tup=Tup+(T[i]//5,)**  **if T[i]%3 == 0:**  **Tup=Tup+(T[i]//3,)**  **for i in Tup:**  **print(i,end="#")** | | | | | **2** |
| **12.** | What does each of following expressions evaluate to?  Suppose that L is the List  L=["These",["are","a"],["few","of"],"my","favourite","things"]   1. len(L) 2. “few” in L[2:3] 3. **L[1:3][1]** 4. **L[2][1][:3]** | | | | | **2** |
| **13.** | **a) What is the difference between (30) and 30, ?**  **b) Explain the max() and min() function on a tuple with example.** | | | | | **2** |
| **14.** | **Explain the partition() and split() function on string with example.** | | | | | **2** |
| **15.** | **Write a program to count the number of uppercase ,lowercase ,digits and special character in a string.( Built in functions can be used)** | | | | | **2** |
|  | **SECTION C** | | | | |  |
| **16.** | Write a program to accept a list of integers and count the number of digits each number has and print the count of each number . If number of digits are even replacing the number in the list with double of the original number.  **EXAMPLE:**  If the entered list is:  [23,890,60356,2000,6]  **OUTPUT**:  23 has 2 digits  890 has 3 digits  60356 has 5 digits  2000 has 4 digits  The list after change [46,890,60356,4000,6] | | | | | **3** |
| **17.** | Find the output of the following code:  OldText="EGoveRNance"  n=len(OldText)  NewText=""  for i in range (n):  if ord(OldText[i])>=65 and ord(OldText[i])<=73:  NewText+=OldText[i].lower()  elif OldText[i]=="a" or OldText[i]=="n":  NewText+="\*"  elif i%2==0:  NewText+=OldText[0:3]  else:  NewText+=OldText[i].upper()  print("The New Text After Changes: ",NewText) | | | | | **3** |
| **18.** | Find the output of the following:  L1 = [100,900,300,400,500]  START = 1  SUM = 0  for C in range(START,3):  SUM = SUM + L1[C]  print(C, ":", SUM)  SUM = SUM + L1[0]\*10  print(SUM) | | | | | **3** |
| **19.** | Write a program to check if a tuple contains duplicate element. Print appropriate message whether it contains duplicate items or not.  Example- if the entered tuple is (23,89,90,21,89)  The message displayed should be:  Tuple contains duplicate item | | | | | **3** |