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| **PERIODIC TEST III - (2022-23)** | | | | |
| **SUBJECT: COMPUTER SCIENCE (PYTHON)**  **GRADE: XI** | | | MAX. MARKS: 35TIME: 1 Hr. 15 Mins | |
| **ANSWER KEY** | | | | |
| **SECTION A** | | | | |
| 1. | (c) v, b, y, r, | | | 1 |
| 2 | (c) [25, 20, 5, 5, 4, 3, 3, 1] | | | 1 |
| 3. | (c) [‘lion’, ‘tiger’, ‘lion’, ‘tiger’] | | | 1 |
| 4 | d) partition( ) | | |  |
| 5 | 1. isdigit() 2. find() | | |  |
| 6. | (c ) (60, ) |  | |  |
| 7. | (b) a |  | |  |
| **SECTION B** | | | | |
| 8. | 37 66 | | |  |
| 9. |  | | | 2 |
| 10. | The append( ) can append only a single element to a list while extend( ) can append a list of elements to a list.  Eg:  val=[17,24,15,30]  val.append(40)  val.extend([34,27])  print(val) ---- [17,24,15,30,40,34,27] | | | 2 |
| 11 | t=eval(input("Enter the elements: "))  for el in t:  if t.count(el)>1:  print("Contains duplicate elements")  break | | |  |
| 12. | m=eval(input(“Enter marks: “))  s=0  for i in t:  s+=i  avg=s/5  print("Total Mark: ",s,"Percentage: ",avg) | | | 2 |
| 13. | l=**eval(input**("Enter the values: "))  j=len(l)-1  for **i in range(len(l)//2):**  l[i],l[j]=**l[j],l[i]**  **j-=1**  print("Reversed List:",l) | | | 2 |
| 14. | The error in the code is that (5) is not a tuple but an integer only and so tuple1 variable is actually storing an integer value. The function len() cannot work on integers, hence the error.  To correct the error, we can change statement 1 as”  >>>tuple1=(5, ) | | | 2 |
| 15. |  | | | 2 |
| **SECTION C** | | | | |
| 16. | s1=input("Enter the string: ")  word=s1.split()  c=0  for i in word:  print(i[:2], end=' ')  c+=1  print("No of words in",s1,":",c) | | | 3 |
| 17 |  | | |  |
| 18. | (i) c. abcdeefgh  (ii) d. ghi  (iii) 5 | | |  |
| 19. | WAP to exchange the values of the first half of the array with the second half of the array.  For example, if the array contains:  2, 4, 1, 6, 7, 9, 23, 10  The resultant array is:  7, 9, 23, 10, 2, 4, 1, 6 | | | 3 |

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