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| **PERIODIC TEST III - (2022-23)** | | | | | | | | |
| **SUBJECT: COMPUTER SCIENCE (PYTHON)**  **GRADE: XI** | | | | | MAX. MARKS: 35TIME: 1 Hr. 15 Mins | | | |
| *General Instructions:*  * This question paper contains three sections – A , B and C. * Section A has 7 MCQ questions of 1 mark each. * Section B has 8 questions of 2 marks each. * Section C has 4 questions of 3 mark each. * All programming questions are to be answered using Python Language only. * Question paper contains 2 printed pages. | | | | | | | | |
| **Name:** | | | **Roll No:** | | | **Section:** | | |
| **SECTION A** | | | | | | | | |
| 1. | What is the output of the following code?  colors = (“v”, “i”, “b”, “g”, “y”, “o”, “r”) for i in range(0, len(colors),2):  print(colors[i],end=’ ,’) | | | | | | | 1 |
|  | (a) i, b, | | | (b) v, i, b, | | | |  |
|  | (c) v, b, y, r, | | | (d) i, g, o, | | | |  |
| 2. | Consider laptops = [3, 4, 5, 20, 5, 25, 1, 3], what will laptops.reverse() produce? | | | | | | | 1 |
|  | (a) [3, 4, 5, 20, 5, 25, 1, 3] | | | (b) [1, 3, 3, 4, 5, 5, 20, 25] | | | |  |
|  | (c) [25, 20, 5, 5, 4, 3, 3, 1] | | | (d) [3, 1, 25, 5, 20, 5, 4, 3] | | | |  |
| 3. | If zoo = [“lion”, “tiger”], what will be zoo \* 2? | | | | | | | 1 |
|  | (a) [‘lion’] | | | (b) [‘lion’, ‘lion’, ‘tiger’, ‘tiger’] | | | |  |
|  | (c) [‘lion’, ‘tiger’, ‘lion’, ‘tiger’] | | | (d) [‘tiger’] | | | |  |
| 4. | Which of the following string function with return a tuple of three elements? | | | | | | | 1 |
|  | 1. find( ) | | | 1. index( ) | | | |  |
|  | (c) split( ) | | | 1. partition( ) | | | |  |
| 5. | Suggest the appropriate functions for the following tasks:   1. To check whether the string contains only digits. 2. To find for the occurrence of a string within another string. | | | | | | | 1 |
| 6. | What is the output of the following code?  t=(10,20,30,40,50,60,70)  print(t[5:-1]) | | | | | | | 1 |
|  | 1. ( ) | | | 1. (50, 60, 70) | | | |  |
|  | (c ) (60, ) | | | (d) (50, 60, 70) | | | |  |
| 7. | What gets printed?  names=[‘Hasan’,’Balwant’,’Sean’,’Dia’]  print(names[-1][-1] | | | | | | | 1 |
|  | 1. H | | | 1. a | | | |  |
|  | (c ) n | | | (d) Dia | | | |  |
| **SECTION B** | | | | | | | | |
| 8. | Predict the output of the given python code: | | | | | | | 2 |
| 9. | Predict the output:  Msg1="WeLcOME"  Msg2="GUeSTs"  Msg3=""  for I in range(0,len(Msg2)+1):  if Msg1[I]>="A" and Msg1[I]<="M":  Msg3=Msg3+Msg1[I]  elif Msg1[I]>="N" and Msg1[I]<="Z":  Msg3=Msg3+Msg2[I]  else:  Msg3=Msg3+"\*"  print (Msg3) | | | | | | | 2 |
| 10. | What is the difference between list methods append( ) and extend? Explain with example | | | | | | | 2 |
| 11. | Write a program to check f a tuple contains any duplicate elements | | | | | | | 2 |
| 11 | t=eval(input("Enter the elements: "))  for el in t:  if t.count(el)>1:  print("Contains duplicate elements")  break | | | | | | |  |
| 12. | A tuple stores marks of a student in 5 subjects. Write a program to calculate and display the total marks and percentage scored | | | | | | | 2 |
| 13. | Identify errors in the code given below. Rewrite the program correctly and underline the corrections made. | | | | | | | 2 |
| 14. | TypeError occurs while executing statement 2. Give reason. How can it be corrected? | | | | | | | 2 |
| 15. | Predict the output: | | | | | | | 2 |
| **SECTION C** | | | | | | | | |
| 16. | Write a program to accept a sentence and display first two characters of each word in the same line separated by space. Also display the numbers of words in the input. | | | | | | | 3 |
| 17. | Predict the output:  Data = ["P",20,"R",10,"S",30]  Times = 0  Alpha = ""  Add = 0  for C in range(1,6,2):  Times= Times + C  Alpha= Alpha + Data[C-1]+"$"  Add = Add + Data[C]  print (Times,Add,Alpha) | | | | | | | 3 |
| 18. | Carefully go through the code given below and answer the questions based on it.  str1="abcdefghi"  n=input("Enter integer:")  n1=int(n)  count=2  str2=''  while count<=n1:  str2=str2+str1[0:count]  str1=str1[2:]  count+=1  print(str2) ***#Line 1***  print(str1) ***#Line 2***  print(count) ***#Line 3***  print(n1) | | | | | | | 3 |
|  | 1. Given the input integer 4, what output is produced at Line 1? | | | | | | |  |
|  | 1. abcdefg | 1. aabbccddeeffgg | | 1. abcdeefgh | | | 1. ghi |  |
|  | 1. Given the input integer 4, what output is produced at Line 2? | | | | | | |  |
|  | 1. abcdefg | 1. aabbccddeeffgg | | 1. abcdeefgh | | | 1. ghi |  |
|  | 1. Given the input integer 4, what output is produced at Line 3? | | | | | | |  |
|  | 1. 0 | 1. 1 | | 1. 2 | | | d)3 |  |
| 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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