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LUCKNOW REGION
SAMPLE PAPER
SESSION ENDING EXAMINATION (2021 – 22)
COMPUTER SCIENCE (083)
CLASS: XI

M.M.: 35

TIME: 2 HRS

General Instructions:

- The question paper is divided into 3 sections – A, B and C
- Section A, consists of 7 questions (1-7). Each question carries 2 marks.
- Section B, consists of 3 questions (8-10). Each question carries 3 marks.
- Section C, consists of 3 questions (11-13). Each question carries 4 marks.
- Internal choices have been given for question numbers 7, 8 and 12.

Section – A

Each question carries 2 marks

1.
 - i). Ms Prerna has a list of marks of 20 students. She got a list of another 20 students from Ranjana. Suggest an appropriate function of list to add this new list to her previous list so that it becomes one list. [2]
 - ii). Rohit wants to show his students how to remove all the elements from the list. Help him write the python code for the same.
2. Suppose L=["abc",[6,7,8], 3,"mouse"] [2]
Consider the above list and answer the following –
 - i). What is the difference between the following operations-?

a). L * 2b). L *= 2
 - ii). What will be returned by the following statement -

a). L[:2]b). L[1][1]
3. What possible outputs(s) are expected to be displayed on screen at the time of execution of the program from the following code? Also specify the maximum values that can be assigned to each of the variables FROM and TO. [2]

```
import random
AR=[20,30,40,50,60,70];
FROM=random.randint(1,3)
TO=random.randint(2,4)
for K in range(FROM,TO+1):
    print (AR[K],end="#")
```

i). 10#40#70# ii). 30#40#50# iii). 50#60#70# iv). 40#50#70#

4. What are the various ways of creating a tuple? How do you use membership operator 'in' with tuple? Explain with the help of example. [2]
5. Find the errors in the statement(s) and rewrite the same after correcting them – [2]
- | | |
|----------------------|-----------------------|
| i). tup1= 1, 2, 3, 4 | ii). tup1= 1, 2, 3, 4 |
| tup1=tup1 + 10 | a, b, c = tup1 |
| print(tup1) | print (tup1) |
6. i). As a citizen of India, what advise you should give to others for e-waste disposal? [2]
ii). Write your any one online activity that creates active digital footprint.
7. What is digital property? What are the threats to digital properties? [2]

OR

What are the possible causes that contribute to gender and disability issues in teaching / learning / using computers?

Section – B

Each question carries 3 marks

8. Write a python program to exchange first half elements of a list L with second half elements assuming list is having even number of elements. [3]
For example if L=[1, 2, 3, 4, 5, 6] the program should change it to L=[4, 5, 6, 1, 2, 3]

OR

Write a python program that deletes all odd numbers and negative numbers present in a list. For example if L=[11, -1, 22, -3, 33, 55, 44, -50, 46] the program should change it to L=[22, 44, 46].

9. Define python module. Explain the function of following modules with help of example – [3]
i). floor ii). mode
10. Define the following terms – [3]
i). Open Source Software ii). Eavesdropping iii). Ransomware

Section – C

Each question carries 4 marks

11. Differentiate the following – [4]
i). Hacking and Phishing ii). Cyber trolls and Bullying
12. WAP that repeatedly asks the user to enter product names and prices. Store all of them in a dictionary whose keys are product names and values are prices. And also write a code to search an item from the dictionary. [4]

OR

WAP that reads N integer numbers in a tuple. Find and display all those numbers which ends with the digit 3. For example, if tuple T has (12, 13, 15, 23, 243, 245), it should display –

13

23

243

It should also display sum of all even numbers present in the tuple.

13. Identify the type of crime for the following situations – [4]

- i).** “Tom got to know the password of Tim’s Social Media Handle and used it to posts as if Tim posted them.”
- ii).** Sita placed an order online and made full payment but no goods were delivered to her.
- iii).** “A research student is expected to write a research paper on a topic. The student had a friend who took a similar class five years ago. The student asks his older friend for a copy of his paper and then takes the paper and then submits the entire paper as his own research work.
- iv).** Manya received an email warning her of closure of her bank accounts if she did not update her banking information. She clicked the link in email and entered her banking information. Next she got to know was ‘she was duped’

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