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BENGALURU REGION
SAMPLE QUESTION PAPER - TERM – II: SESSION 2021-22

Class : XI
Subject:Computer Science(083)

Max. Marks:35
Time : 2 Hours

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.	Look the following statements (a) and (b) carefully and state difference between the two statements. (a) t1=(a) (b) t2=(a,)	2
2.	What will be the output produced by the following code? d1={5:"number","a":"string", (1,2):"tuple"} print ("Dictionary Contents") for x in d1.keys(): #iterates on a key list print (x,',',d1[x], end='') print(d1[x]*3)	2
3	Write a user defined function to print the value of exponent of 2. Exponent should be passed by user while execution. Also write the statement to call the function.	2

4	<p>Rishika found a crumpled paper under her desk. She picked it up and opened it. It contained some text which was struck off thrice. But she could still figure out easily that the struck off text was the email ID and password of Garvit, her classmate. She Uses Garvit’s password to access his account and start posting on social media from his account. In the light of above scenario answer the following:</p> <ol style="list-style-type: none"> 1. What actually is happening with Garvit’s ID ? 2. What as a good netizen Rishika should have done ? 	2
5	<p>What do you understand by eavesdropping? Give brief answer</p>	2
6	<p>What is Plagiarism ? Write any one incident which can be called Plagiarism.</p>	2
7	<p>Ravi has made an online purchase of White cotton T-Shirt from online shopping website X. Afterwards whenever he is visiting any website, he is getting advertisement for similar product. What is the reason behind this?</p> <p style="text-align: center;">OR</p> <p>Preeti celebrated her birthday with her family. She was excited to share the moments with her friend Himanshu. She uploaded selected images of her birthday party on a social networking site so that Himanshu can see them. After few days, Preeti had a fight with Himanshu. Next morning, she deleted her birthday photographs from that social networking site, so that Himanshu cannot access them. Later in the evening, to her surprise, she saw that one of the images which she had already deleted from the social networking site was available with their common friend Gayatri. She hurriedly enquired Gayatri “Where did you get this picture from?”. Gayatri replied “Himanshu forwarded this image few minutes back”.</p> <p>Help Preeti to get answers for the following question. Give justification for your answers so that Preeti can understand it clearly.</p> <ol style="list-style-type: none"> 1. How could Himanshu access an image which Preeti had already deleted? 	2

SECTION – B Each question carries 3 marks		
8	<p>Sohan has made a list sohan_list. He executes the following python statements. Predict the output of the code as per the sohan’s list.</p> <pre style="margin-left: 40px;">sohan_list=['p','r','o','b','l','e','m'] sohan_list[2:3]=[] print(sohan_list) sohan_list[2:5]=[] print(sohan_list) print(sohan_list[::-1])</pre> <p style="text-align: center;">OR</p> <p>Write a program to delete the item from a list by its value (value should be entered by user)</p>	3
9	<p>Write a program to create a nested tuple to store the rollno, name and marks of students and display them.</p>	3
10	<p>While checking the mail , Ramesh finds “You have won a lottery of 50 Billion USD”. It further states , “To avail the money you have to transfer an amount of Rs 50000?”</p> <p>This could be a mail to make money from Ramesh.</p> <p><i>a. Which kind of attack it is called.</i></p> <p><i>b. Give precautionary measures for the users to be safe from such attacks.</i></p>	3
Section C Each question carries 4 marks		
11	<p>Sunita has created a dictionary containing names and marks as key value pairs of 6 students. Write a program to perform the following operations:</p> <p><i>a. Display the key of the dictionary where the corresponding value (marks) is greater than 75.</i></p> <p><i>b. Display the maximum marks obtained with the name of child</i></p>	4

12	<p>Sushma has been given a task to find the Average of the marks obtained by the 5 students in a subject. You have to do this work by storing the marks in a Python List. Write the code for the calculation of Average marks</p> <p style="text-align: center;">OR</p> <p>Write a program to perform the following task in a list:</p> <p><i>a. Searching an element given by user</i></p> <p><i>b. Deleting an item in the given position by user.</i></p>	4
13	<p>Consider the following acts :</p> <ul style="list-style-type: none">• Tampering with computer source documents• Hacking the computer system• Using the password of others• Publishing sensitive personal data of others without their consentetc., <p>With reference to these answer the following:</p> <p>i. Which type of crime is taking place?</p> <p>ii Which act gives us protection against such crime.</p> <p>iii. Write the name of the Act.</p> <p>iv. Name the tribunal/place we need to approach in such cases.</p>	4