

Term-2 Examination 2021-22
Computer Science
Class XI

Max.Marks: 35

Time Allowed: 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, 10 and 12.

		Section -A	
		Each question carries 2 marks	
Q No	Part No.		
1		What do you understand by trademark and intellectual property?	2
2	(i)	Name the Primary law in India dealing with cyber crime and electronic commerce.	1
	(ii)	Why is the use of import all statements not recommended?	1
3	i	Please select all correct ways to empty the following dictionary student = { "name": "Emma", "class": 9, "marks": 75 } a. del student b. del student[0:2] c. student.clear() d. student.remove()	1
	ii	What will be the output of following program: a={1:5,2:3,3:4} a.pop(3) print(a)	1
4	i	Which of the following will produce an error? e = (1,2,3) a. e = (4, 5, 6) b. e = e + 4 c. e = e + (4, 5, 6) d. e = e + (4,)	1
	ii	Consider the following code and predict output- dct={1: "Monday", 2: "Tuesday", 3: "Wednesday", 4: "Thursday"} for x in dct.values(): print(x, end= "#")	1
5		Consider the lists L1=[1,2,3,4]. What will be output of the following- a. L1+2 b. L1*2 c. L1+[10] d. L1[2:3]	2
6	(i)	Ravi is a student of class -10 and he is a very frequent user of internet applications One day he got an unpleasant message on his WhatsApp. What do you think he should do? a) Forward it to others b) Reply back to the sender c) Switch off the device	1

		d) Tell to his parents about the incident	
	(ii)	We should follow the rules for good Etiquettes while being online. Choose the right net etiquette (s) from the following: a) Avoid posting offensive comments b) Respect others' privacy c) Don't troll people in web forums d) All the above	1
7		What is Trojan Horse? How they are different from computer virus? Or What is cyber- crime? Discuss two precautions to prevent cyber- crime.	2
		SECTION – B Each question carries 3 marks	
8		Discuss the following functions of Dictionary with suitable example: (a) copy() (b) update() (c) items()	3
9		Consider the following program. import random List=["101","102","103","104","105","106","107"] START= random.randint(2,3) END= random.randint(3,4) for y in range(START,END+1): print(List[y],end="@") (a) What possible output(s) are expected to be displayed on screen when above program is executed? i. 101@102@103@ ii. 103@104@105@ iii. 105@104@103 @ iv. 104@105 (b) Specify the maximum values that can be assigned to START and END variable. (c) What is difference between random() and randint() function.	3
10		Difference between: a. Spyware and Adware b. Copyrights and Patents c. Cyber Trolling and Cyber Stalking OR What is identity theft? Discuss any two methods to prevent identity theft.	3
		Section C Each question carries 4 marks	
11		Write a program to read a tuple of numbers and create another tuple which store half of each even number and double of each odd number in the tuple. Example: if tuple stores [3,5,6,2,7,4,5,8] then new tuple should contain [6,10,3,1,14,2,10,4]	4
12		Write a program to input a list of integers and display product of all numbers present in the list. For example, if list stores 2,3,2,4,10 then output should be – Sum of list is : 480 Or Write a program to input a list of integers and count how many numbers are divisible with 3. For example, if list stores 20,17,13,35,9,45,27 then output	4

		should be – Total Number divisible by 3 are: 2	
13	a)	What do you mean by e- waste? Why should e- Waste be handled properly?	2
	b)	What is plagiarism? What are the common forms of student plagiarism	2