



**KENDRIYA VIDYALAYA NO 2 JHANSI CANTT**  
**PERIODIC TEST-II 2023-24**  
**SUB- COMPUTER SCIENCE(083) CLASS-XI**

**TIME: 1:30 Hrs**

**MM :40**

**Instructions: ( i) Question paper is divided in three sections.**

**(ii) Attempt all questions from each sections.**

**SECTION A**

<b>Q1.i</b>	Any criminal offence facilitated through electronic devices or information system or over the internet, is called ..... a) Social media b) Cyber Law c) Cyber Crime d) Cyber Bullying	<b>1</b>
<b>(ii)</b>	When someone steals someone else's personal information to commit theft or fraud, it is called ..... a) Identity Theft b) Hacking c) Computer Piracy d) Infringement	<b>1</b>
<b>(iii)</b>	Write a code to delete key year from dictionary Student . Student={"Admno":7092, "name": "Shiv kumar", "Year":2020 }	<b>1</b>
<b>(iv)</b>	Create a Dictionary in python to hold the weekdays .	<b>1</b>
<b>(v)</b>	Explain the purpose of the <b>get()</b> method in dictionaries.	<b>1</b>
<b>(vi)</b>	Predict the output of the following python code . my_tuple = (2, 5, 8, 2, 5) print(my_tuple.count(2))	<b>1</b>
<b>(vii)</b>	The ..... functions returns the index of an element in a tuple.	<b>1</b>
<b>(viii)</b>	What is the error with the following code . my_tuple = (1, 3, 5) my_tuple[1] = 7 print(my_tuple)	<b>1</b>
<b>(ix)</b>	..... are the records and traces individuals' activities as they use internet.	<b>1</b>
<b>(x)</b>	Predict the output of the following python code . my_tuple = (1, 2, 3) new_tuple = my_tuple * 2 print(new_tuple)	<b>1</b>
<b>(xi)</b>	Predict the output of the following code t3=(17) print(type(t3))	<b>1</b>
<b>(xii)</b>	How can you ensure that a website is secure before entering sensitive information, such as passwords or credit card details?	<b>1</b>
<b>(xiii)</b>	Write the name of function used to copy the dictionary.	<b>1</b>

<b>SECTION B</b>		
<b>2.i</b>	Describe following Cybercrimes : a)Phishing b)Cyber Stalking	<b>2</b>
	<p><b>Q. 2(ii)&amp; 2(iii) are ASSERTION AND REASONING</b> based questions. Mark the correct choice as</p> <p>a) Both A and R are true and R is the correct explanation for A</p> <p>b) Both A and R are true and R is not the correct explanation for A</p> <p>c) A is True but R is False</p> <p>d) A is false but R is True</p>	
<b>(ii)</b>	<p><b>Assertion(A):</b> The use of strong, unique passwords is an effective way to prevent unauthorized access in the context of cybercrime.</p> <p><b>Reasoning(R) :</b> Weak passwords make it easier for attackers to compromise user accounts and gain unauthorized access to sensitive information.</p>	<b>2</b>
<b>(iii)</b>	<p><b>Assertion (A):</b> - Dictionaries are unordered set of elements.</p> <p><b>Reasoning (R):-</b>The Clear() method removes individual item from the Dictionary .</p>	<b>2</b>
<b>(iv)</b>	Write a Python code snippet that calculates the sum of all elements in a tuple.	<b>2</b>
<b>(v)</b>	How are dictionaries clear() method different from del() method .	<b>2</b>
<b>(vi)</b>	<p>Predict the output of the following python code .</p> <pre>my_dict = {} my_dict['name'] = 'John' my_dict['age'] = 18 my_dict['city'] = 'New York' print(my_dict).</pre>	<b>2</b>
<b>SECTION C</b>		
<b>Q3.(i)</b>	<p>a) What is cyberbullying, and what are some common forms it can take?</p> <p>b) How can schools and parents address the issue of cyberbullying?</p>	<b>3</b>
<b>(ii)</b>	Write a program to create a dictionary containing names of competition winner students as key and number of their wins as values.	<b>3</b>
<b>(iii)</b>	Explain the difference between <b>dict.keys()</b> , <b>dict.values()</b> , and <b>dict.items()</b> .	<b>3</b>
<b>(iv)</b>	Create a Tuple of five values and find out the average of minimum and maximum value of tuple.	<b>3</b>
<b>(v)</b>	<p>a) How can individuals protect themselves from cyber stalking?</p> <p>b) How can social media platforms contribute to the prevention of cyber stalking and bullying?</p>	<b>3</b>

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## BLUE PRINT

### Class-XI A PT-II EXAM SUB-CS(083)

Type of Questions	Marks per Question	Total no of Questions	Total Marks
SA I	1	1(13)	13
SA II	2	2(6)	12
LA-I	3	3(5)	15

Chapter	VSA(1)	SQ(2)	SQ(3)	LQ(4 )	Total (Q)M
Chapter-12(Tuples)	1(3)	2(2)	3(1)	-	6Q(10M)
Chapter-13(Dictionary)	1(3)	2(1)	3(2)	-	6Q(11M)
Chapter-14 Cyber Safety	1(4)	2(1)	3(1)	-	6Q(9M)
Chapter-15 Online Access and Computer Security	1(3)	2(2)	3(1)		6Q(10M)
	13M(13Q)	12M(6Q)	15M(5Q)	-	24Q(40MKS)

## MARKING SCHEME

Q1.	b)Cyber crime	1 marks
a		
b	a) Identity Theft	1 Marks for each correct declaration
©	del Student2["Year"]	1 Marks for correct answer
(d)	weekday={"Monday":1,"Tuesday":2.....}	1 Marks for correct answer

(v)	The <b>get()</b> method is used to retrieve the value for a given key in a dictionary. It takes two arguments – the key to be searched and a default value to be returned if the key is not found.	1 Marks for correct answer
(vi)	2	1 Marks for correct output
(g)	Index()	1 Marks for correct answer
(viii)	TypeError: 'tuple' object does not support item assignment	1 Marks for correct answer
(ix)	Digital Footprints	1 Marks for correct answer
(x)	(1, 2, 3, 1, 2, 3)	1 Marks for correct answer
(xi)	Ans-<class 'int'>	1 Marks for any correct answer
(xii)	<i>Look for the padlock icon in the address bar and ensure the URL starts with "https://". These indicate a secure, encrypted connection.</i>	1 Marks for correct answer
(xiii)	copy()	1 Marks for correct answer

### **SECTION B**

Q2.a			1 Marks for each correct difference
	Append()	Extend()	
	Append() method add one element to the end of list	extend() method add multiple element to the end of list	
	After append(),the length of list will increase one by 1 element only	After extend(),the length of list will increase by the lengthof inserted list.	
B	a) Both A and R are true and R is not the correct explanation for A		
.c	c) A is True but R is False		1 Marks for each correct output
iv	my_tuple = (3, 8, 1, 5, 2) sum_of_elements = sum(my_tuple) print(sum of elements)		2 Marks for correct answer

e.		1 Marks for each correct difference	
	<b>Clear()</b>		<b>Del statement</b>
	It clear the dictionary but not delete the dictionary		It delete the dictionary o
	Ex teacher={'name':'Amit','salary':10000} teacher.clear() teachers <b>O/p { }</b>		Ex teacher={'name':'Amit','sala del teacher teachers <b>O/p :NameError :name 'Emple defined</b>
vi	my_dict = { }	1 Marks for creating and 01 marks for printing	
<b><u>SECTION A</u></b>			
3.a	a) Answer: Cyberbullying is the use of digital platforms to harass, intimidate, or harm others. Common forms include online harassment, spreading false rumors, posting hurtful comments, and creating fake profiles to impersonate or mock the victim.	3 Marks for correct CODE	
	b) How can schools and parents address the issue of cyberbullying?		
	Answer: Schools and parents can address cyberbullying by educating students about responsible online behavior, monitoring their online activities, promoting open communication, and promptly addressing any incidents through appropriate disciplinary measures.		
ii	Competition={'Amit':5 ,"Rahul":7, "Anshul",5) print(Competition)	1Marks for each correct output	
iii	dict.keys(): Returns a view of all keys in the dictionary.	3 marks for each correct values	
	dict.values(): Returns a view of all values in the dictionary.		
	dict.items(): Returns a view of all key-value pairs in the dictionary.		
iv	t1=eval(input ("enter the values")) a=max(t1) b=min(t1) c=a+b/2 print(c)	1 marks input each tuple,01 for joining and 01 for printing	

v	<p>a) Individuals can protect themselves by being cautious with the information they share online, using strong and unique passwords, regularly updating privacy settings, and reporting any suspicious or threatening behavior to the appropriate authorities.</p> <p>b) Social media platforms can contribute by implementing strict privacy settings, providing reporting mechanisms for users to report abuse, and actively monitoring and taking action against accounts engaged in cyber stalking or bullying.</p>	3
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