## BUDHA DAL PUBLIC SCHOOL, PATIALA TERM-I SEPTEMBER 2023 SET-A

DATE	CLASS	SUBJECT	Subject Co	ode
	XII	INFORMATICS PRACTICES	065	
ne of Invigilato	or:	Signature	e of Invigilator:	
e: 3 Hours			Max. Marks	: 7
neral Instructi	ons:			
1. This q	uestion paper contains	two parts A and B. Each part is com	pulsory.	
2. Part-A	has 2 sections:			
	ıb- parts. <u>B is Descriptive Paper</u>			
a. See b. See	tion-II is long answer q	questions of 2 marks each. Juestions of 3 marks each.		
a. See b. See	ction-I is short answer o ction-II is long answer o	-		
a. Sec b. Sec c. Sec	ction-I is short answer o ction-II is long answer o ction-III is very long ans	uestions of 3 marks each. wer questions of 5 marks each. Part - A Section - I		
a. Sec b. Sec c. Sec Attempt a	ction-I is short answer of ction-II is long answer of ction-III is very long ans any 15 questions from o	uestions of 3 marks each. wer questions of 5 marks each. Part - A Section - I questions 1 to 21.		
a. Sec b. Sec c. Sec Attempt a 1.	ction-I is short answer of ction-II is long answer of ction-III is very long ans any 15 questions from of is the most popular of	uestions of 3 marks each. wer questions of 5 marks each. Part - A Section - I questions 1 to 21. open-source Python library used for c		
a. Sec b. Sec c. Sec Attempt a 1. 2. The two b	ction-I is short answer of ction-II is long answer of ction-III is very long ans any 15 questions from of is the most popular asic and universally pop	uestions of 3 marks each. wer questions of 5 marks each. Part - A Section - I questions 1 to 21. open-source Python library used for consular data structure of Pandas are	loing data analysis. and	
a. Sec b. Sec c. Sec Attempt a 1. 2. The two b 3. To create	ction-I is short answer of ction-II is long answer of ction-III is very long ans any 15 questions from of is the most popular of asic and universally pop a series object ,	uestions of 3 marks each. wer questions of 5 marks each. Part - A Section - I questions 1 to 21. open-source Python library used for c		
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(i) T (ii) Ndim (iii) Empty (iv) Shape 8. refers to the graphical or visual representation of information and data using 1 visual elements like charts, graphs and maps etc. chart is a graph of plotted points on two axes that shows the relationship 1 9. The \_\_\_\_\_ between two sets of data. 10. The axes of a plot can be labeled using functions. 1 and 11. Pyplot module's \_lets you create histograms. 1 1 12. Which Python package is used for 2D graphics? (i) matplotlib.pyplot (ii) matplotlib.pip (iii) matplotlib.numpy (iv) matplotlib.plt

13. Matplotlib allows you to create:(ii) table(ii) chart(iii) maps(iv) infographics

1

14.	Which of the following commands is used to install matplot for coding?	-
	(i) import plt.matplotlib as plot	
	(ii) import plot.matplotlib as pt	
	(iii) import matplotlib.plt as plot	
	(iv) import matplotlib.pyplot as plt	
15.	Any information about you or created by you that exists in digital form is referred to	-
16.	Creative creations of mind such as patents, trademarks and copyright areproperty.	-
17.	IT Amendment Act, 2008 came into force from the year	:
18.	A is an organized group of people who have gathered through the use of social	
	media to protest for a social or political cause.	
19.	Using someone else's Twitter handle to post something will be termed as:	
	(i) Fraud (ii) Identity theft (iii) Online stealing (iv) Violation	
20.	Credit card fraud may include:	
	(i) Stealing of credit card (ii) Unauthorized and illegal use of credit card	
	(iii) Stealing information (iv) Phishing	
21.	The Term 'Intellectual Property Rights' covers:	
	(i) Copyrights (ii) Trademarks (iii) Patents (iv) All of these	
	Section -II	
	parts from each question. Each sub question carries 1 mark .	
22	Case Study-I	
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(iv)	WiF	i Stands for						1
	a.	Wireless Inte	ernet Freque	ent Interface				
	b.	Wireless Fun	ictioning					
	c.	Wireless Fide	elity					
		Wire Free In						
	-			Pa	art - B			
				Se	ection – I			
24.	In Pandas S is an series with the following result:							2
	S=pd.Series([15,15,15,50,15])							
	The Series object is automatically indexed 0,1,2,3,4. Write a statement to assign the index							
25		, b, b, d, e ex						<u> </u>
25.		at is Datafrar						
26.		e the output ort pandas as		wing code:				
		=[['Aman',10	•	['Sunil' 13]]				
		·		• • ••	Age'],dtype=float)			
	print		(					
27.			ifference be	tween iterrov	ws() and iteritems()	?		
28.	What are the various types of plots offered by matplotlib?							
29.	Nam	e the functio	ns you will i	use to create	a (i) Line Chart (ii) B	ar Chart		
30.	Whv	is the follow	ing code no	t producing a	nv result? Why is it	giving error?		
	Why is the following code not producing any result? Why is it giving error? a=range(10,50,12)							
	b=ra	nge(90,200,2	20)					
	· ·	olotlib.pyplot						
31	Wha	t do you und	erstand by '	Privacy of Da	ta'.			
32.	Writ	e two applica	ations of cyb	er law.				
33.	Wha	t is cyber Sta	lking?					
					ection -II			
34	Expla	ain briefly the	e CSV forma	t of sorting fil	es.			
				e an empty da				
	5. Write any three points of network security components.							
37.	Expla	ain Phishing.						
20	C	ا عام ما ما م	frame of		ection -III			-
58.	Consider the dataframe df given as under:							5
		Emp_Id	Name	Gender	Designation	City	7	
	0	E01	Vikas	M	Manager	Ludhiana	1	
	1	E02	Priya	F	Programmer	Chandigarh	1	
	2	E03	Viswas	М	IT Officer	Patiala		
	3	E04	Rita	F	Programmer	Amritsar		
				e above data	frame and print on	y the Name, Gender	and	
20	-	gnation for a						+_
39.	<u>Make Histogram Horizontally :</u> Given Below is the sugar levels for men and women in a city . Compare							5
			-	m through a h		Compare		
		-	-	93,115,135,80	-			
	1			50,84,69,89,7				1

