## **BUDHA DAL PUBLIC SCHOOL, PATIALA** TERM-II EXAMINATION (SESSION 2024-25) SET:-A

CLASS: - XII, SUBJECT: - INFORMATICS PRACTICES (CODE:- 065)

## Time: 3 Hours

Max. Marks: 70

**General Instructions:** 

- 1. This question paper contains five sections, Section A to E.
- 2. All questions are compulsory.
- 3. Section A has 18 questions carrying 01 mark each.
- 4. Section B has 07 Very Short Answer type questions carrying 02 marks each.
- 5. Section C has 05 Short Answer type questions carrying 03 marks each.
- 6. Section D has 02 questions carrying 04 marks each.
- 7. Section E has 03 questions carrying 05 marks each.
- 8. All programming questions are to be answered using Python Language only.

	SECTION-A	
	Fill in the Blanks:-	
1.	To specify filtering condition for groups, the clause is used in MySQL	1
2.	Group functions are also known as functions.	1
3.	IT Amendment Act, 2008 came into force from the year	1
	State Whether the following statements are True or False:-	
4.	By default, ORDER BY clause sorts the result set in descending order.	1
5.	The return value of MAX() function is a numeric value.	1
6.	E-waste is very hazardous if not handled carefully.	1
	Multiple Choice Questions(MCQs):-	
7.	Which values will not be considered by SQL while executing the following statement?	1
	SELECT COUNT (column name) FROM DEPARTMENT;	
	(i) Numeric value (ii) Text value (iii) Null value (iv) Date value	
8.	Which clause is used in query to place the condition on groups in MySQL?	1
	(i) WHERE (ii) HAVING (iii) GROUP BY (iv) Both (i) & (ii)	
9.	If column "Salary" contains the data set (10000, 15000, 25000, 10000, 15000), what will be the output	1
	after the execution of the given query?	
	SELECT SUM (DISTINCT SALARY) FROM EMPLOYEE;	
1.0	(i) 75000(ii) 25000(iii) 10000(iv) 50000What SQL statement do we use to display the record of all students whose last name contains 5 letters	
10.		1
	ending with "A"?	
	(i) SELECT FROM STUDENTS WHERE LNAME LIKE ' A'; (ii) SELECT * FROM STUDENTS WHERE LNAME LIKE ';	
	(iii) SELECT * FROM STUDENTS WHERE LNAME LIKE ', (iii) SELECT FROM STUDENTS WHERE LNAME LIKE '????A';	
	(iv) SELECT FROM STUDENTS WHERE LNAME LIKE 'A';	
11	Which of the following functions is used to find the largest value from the given data in MySQL?	1
11.	(i) MAX() (ii) MAXIMUM() (iii) LARGEST() (iv) BIG()	1
12	In SQL, which function is used to extract a date from a date expression?	1
12.		1
12	(i) Now() (ii) Curdate() (iii) Date() (iv) Day()	1
13.	Standard security protocol that establishes encrypted links between a web server and a browser is called (i) Online safety technology (ii) SDT technology	1
14	(iii) Web encryption technology (iv) Secure Sockets Layer Technology Credit card fraud may include:	1
14.	(i) Stealing of credit card (ii) Unauthorized and illegal use of credit card	1
	(ii) Stealing information (ii) Unauthorized and megal use of credit card (iv) Phishing	
15	Which of the following is an open-source software?	1
13.	(i) Microsoft Windows (ii) Adobe Photoshop (iii) MySQL (iv) MS PowerPoint	1
L		

16.	Which of the following measur	res should not b	e adopted to rec	ycle e-waste safel	y?	1
	(i) Donate to NGO	(ii) Sell yo	ur old electronic	S	-	
	(iii) Burn your e-waste			certified e-waste		
	Q17 and 18 are ASSERTION				ne correct choice as	1
	a) Both A and R are true					
	b) Both A and R are true		he correct expla	anation for A		
	c) A is True but R is Fals					
17.	d) A is False but R is Tru Assertion (A): COUNT() fur		listinat values			
1/.	<b>Reasoning(B):</b> Distinct claus					
18.				devices		1
10.	<b>Reasoning(B):</b> Hacking invol				tion.	1
			SECTION-B			
19.	What is null value in MySQL	?				2
20.	What are aggregate functions					2
20.	What is the importance of cyt					2
	1 5					
22.	List two points of network see	curity compone	ents.			2
23.	Explain phishing?					2
24.	Define the term Primary Key	in a database. I	Explain how it is	different from a (	Candidate Key.	2
25.	Consider the string: "Datab		1			2
	following:	8	5	C	1	
	I. To extract and display "Mar					
	II. Display the position of the	first occurrenc	e of "base" in the	e given string.		
			ECTION C			
			ECTION-C			
26.	What is an ORDER BY claus	e and GROUP	BY clause.			3
27.	How is digital piracy related t	to illegal downl	oads?			3
28.	What do you understand by n	et etiquettes? F	vnlain any two s	uch etiquettes		3
20.	What do you understand by h	et enquettes. E	xplain any two s	den enquettes.		5
29.	Ritika's family is replacing	their old comp	uter with a new	one. They decid	e to throw the old	3
	computer in a nearby empty field/plot.					
	I. Explain any one potential e	nvironmental h	azard associated	with improper e-	waste disposal.	
	II. Suggest one responsible w	ay to Ayesha's	family for prope	r disposal oftheir	old computer.	
	III. Describe the importance of recycling in e-waste management					
20	-		-		• • • • •	
30.	Write an SQL statement to cre	eate a table nam	ed STUDENTS,	, with the followir	ig specifications:	3
	Col	lumn Name	Data Type	Key		
	Stu	dentID	Numeric	Primary Key		
	Firs	stName	Varchar(20)			
	Las	stName	Varchar(10)			
		eOfBirth	Date			
		centage	Float(10,2)			
		contago			1	
		II. Write SQL Query to insert the following data in the Students Table 1, Harpreet, Singh, 2011-10-12,				
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		-	data in the Stude	nts Table 1, Harp	reet, Singh, 2011-10-12,	
31	80.	SI		nts Table 1, Harp	reet, Singh, 2011-10-12,	4
31	80. Give the output of following co	SI ommands.	ECTION-D	nts Table 1, Harp	reet, Singh, 2011-10-12,	4
31	80. Give the output of following co i. mysql> SELECT ii. mysql> SELECT	SI ommands. LEFT ('Swati', CHAR (83, 72,	ECTION-D 4); .85, 67, 72, 73);		reet, Singh, 2011-10-12,	4
31	80. Give the output of following co i. mysql> SELECT ii. mysql> SELECT iii. mysql> SELECT	SI ommands. LEFT ('Swati', CHAR (83, 72, RTRIM(' S	ECTION-D 4); .85, 67, 72, 73);		reet, Singh, 2011-10-12,	4
	80. Give the output of following co i. mysql> SELECT ii. mysql> SELECT	SI ommands. LEFT ('Swati', CHAR (83, 72, RTRIM('S 0(3234.343, 1);	ECTION-D 4); .85, 67, 72, 73); Study is importan		reet, Singh, 2011-10-12,	4

			SECTIO	DN-E			
		hazards related to excess		of technology.			4
34.	Consider the follow	ving table CLUB. Table:	CLUB				4
	COACH_ID	COACH NAME	AGE	SPORTS	Date_of_Joining	PAY	
	1	Rajesh	30	Karate	1999-08-25	1000	
	2	Anuj	35	Swimming	2000-01-05	750	
	3	Shuchi	25	Basketball	2005-01-04	1200	
	4	Reetika	28	Badminton	2002-08-25	1400	
	5	Virendra	32	Cricket	1996-05-17	1500	
	ii. What w	vill be the output of the f	following	g query?mysql>S	SELECT CONCAT (C	COACHNAN	ИE,
35.	AGE) I iii. Write a iv. What v mysql> FROM WHER v. Write a Write suitable SQL I. To display the II. To display the Vehicles table III. To display th	FROM CLUB WHERE a query to display the day will be the ouput of the for SELECT PAY *0.25 +	AGE>30 y for the ollowing 1000 E 'R%'; <u>acters fro</u> : test_resu the regist numbers (attribute	Date_of_Joining query? om left of coach lts column (attril ration_number of s are stored in th	g column. name. bute) in the Exams tab column (attribute) in the e format DL-01-AV-1	le	ME,