CBSE Class 12 Informatics Practices Sample Paper Term 2 for 2021-22

Sample Question Paper

Maximum Marks: 35

INFORMATICS PRACTICES (Code : 065)

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 1, 3, 8 and 12.

2. (i)	Section –A	
No. No. 1. /	Each question carries 2 marks	
1. 4 t c F t 2. (i)	Question	Marks
2. (i)		251
	 Aman, a freelance web site developer, has been assigned a task to design few web pages for a book shop. Help Aman in deciding out of static web page and dynamic web page, what kind of web pages should be designed by clearly differentiating between static and dynamic web pages on at least two points. OR Priyanka, a beginner in IT field has just started learning web technologies. Help her in understanding the difference between website and web pages with the help of a suitable general example of each. 	(2)
	 am a small text file created on a user's computer contain small pieces of data — like a username, password and user's browsing history as well as preferences may help to improve user's web browsing experience. 	(1)
		(1)

3.		Predict the output of the following queries: i. Select power(5,3); ii. Select mod(5,3);					(2)
		Briefly ex i. power(ii. mod()					
4.		Navya has just created a website for her company and now need to host it. Briefly discuss the role of a web server in hosting a website.					(2)
5.		Help Resl i) select r ii) select	(2)				
6.		Aryan, a with the He needs group by Suggest s	0				
7.		the help of an example. Mr. Som, a HR Manager in a multinational company "Star-X world" has created the following table to store the records of employees: Table: Emp					
		Eid	EName	Department	DOB	DOJ	
		Star1	Ivan	Sales	1994-08-28	2020-02-14	
		Star2	Melinda	IT	1997-10-15	2021-11-19	
		Star3	Raj	Accounts	1998-10-02	2019-04-02	
		Star4	Michael	Sales	2000-02-17	2020-05-01	
		Star5	Sajal	IT	2001-12-05	2018-06-13	
		Star6	John	Accounts	1995-01-03	2019-07-15	
		Star7	Julia	Sales	1985-11-13	2020-08-19	
	He has written following queries: i) select max(year(DOB)) from emp; ii) select ENAME from emp where month(DOJ)=11; Predict the output.						
		OR					

	ven above, help Mr. Som writing queries for						
the following task:	of aldost amployee and his /har date of						
	 i) To display the name of eldest employee and his/her date of birth. 						
	ii) To display the name of those employees whose joining month						
	is May.						
	SECTION – B						
Eacl	Each question carries 3 marks						
8. Predict the output of	the following queries:	(3)					
i. select instr('e	xams@cbse.nic.in','.');						
ii. select substr('	exams@cbse.nic.in',7,4);						
iii. select left('exa	ams@cbse.nic.in',5);						
	OR						
Ms.Saumya is workin	g on a MySQL table named 'Hotel' having						
following structure:							
Field Type	Null Key Default Extra	0					
++	++++++	3.5					
	ar(20) YES NULL ar(20) YES NULL						
	ar(20) YES NULL						
mobile_no varch	ar(11) YES NULL						
	++++++						
She need to perform	following task on the table:						
	st 2 characters from the user id column.						
	the values of name column in lower case.						
, , , , , , , , , , , , , , , , , , , ,	$/$ 3 characters from 3^{rd} place from the						
column cit							
Suggest suitable SQL	function for the same. Also write the query						
to achieve the desired							
9. Reena is working with	n functions of MySQL. Explain her following:	(3)					
i. What is the pu	urpose of now () function?						
ii. How many pa	rameters does it accept?						
iii. What is the ge	eneral format of its return type?						
10. While dealing with st	ring data type in MySQL, its observed that	(3)					
sometimes unnecess	sary space character comes in between						
which hampers the su	accessful execution of a string manipulation						
module. Name the	suitable MySQL function (s) to remove						
leading, trailing and t	both type of space characters from a string.						
Also give MySQL quer	ies to depict the same.						
	Section C						

11.	Table: std Pid 1 2 3 4		e following tak	ole named 's	stock'	(4)				
	Pid 1 2 3 4	PName			SLUCK .	(4)				
	Pid 1 2 3 4	PName		Table: stock						
	2 3 4	Keyboard	Category	/ Qty	Price					
	3 4		10	15	450					
	3 4	Mouse	10	10	350					
	4	Wifi-route		5	2600					
		Switch	NW	3	3000					
	5	Monitor	0	10	4500					
	6	Printer	0	4	17000					
	 (b) To display category and category wise total quantities of products. (c) To display the category and its average price. (d) To display category and category wise highest price of the products. Satyam, a database analyst has created the following table:									
12.			inalyst has cre	ated the fo	llowing table:	(4)				
.2.	Table: St	udent		10	100	(4)				
2.	Table: St RegNo	udent SName	Stream	Optional	Marks	(4)				
2.	Table: St RegNo S1001	udent SName Akshat	Stream Science	Optional CS	Marks 99	(4)				
2.	Table: Str RegNo \$1001 \$1002	udent SName Akshat Harshit	Stream Science Commerce	Optional CS IP	Marks 99 95	(4)				
2.	Table: St RegNo \$1001 \$1002 \$1003	udent SName Akshat Harshit Devika	Stream Science Commerce Humanities	Optional CS IP IP	Marks 99 95 100	(4)				
2.	Table: Str RegNo \$1001 \$1002 \$1003 \$1004	udent SName Akshat Harshit Devika Manreen	Stream Science Commerce Humanities Commerce	Optional CS IP IP IP	Marks 99 95 100 98	(4)				
2.	Table: Str RegNo \$1001 \$1002 \$1003 \$1004 \$1005	SName Akshat Harshit Devika Manreen Gaurav	Stream Science Commerce Humanities Commerce Humanities	Optional CS IP IP IP IP	Marks 99 95 100 98 82	(4)				
.2.	Table: Str RegNo \$1001 \$1002 \$1003 \$1004	udent SName Akshat Harshit Devika Manreen	Stream Science Commerce Humanities Commerce	Optional CS IP IP IP	Marks 99 95 100 98	(4)				

		Help him in predicting the output of the above given queries.				
		OR				
		Based on the above given table named 'Student', Satyam has				
		executed following queries:				
		Select count(*) from student;				
		Select count(MARKS) from student;				
		Predict the output of the above given queries.				
		Also give proper justifications of the output generated through				
13.		each query. "Anutulya Creations"-A start-up fashion house has set up its	(4)			
15.		(4)				
		main centre at Kanpur, Uttar Pradesh for its dress designing, production and dress supplying activities. It has 4 blocks of				
		buildings.				
		Distance between the various blocks is as follows:	100			
		A to D 50 m	38			
		A to P 60 m	5			
		A to S 110m				
		D to S 60m				
		P to S 50m				
		P to D 150m				
		Numbers of computers in each block				
		Block A - 20 Block D - 80				
		Block P - 15				
		Block S - 8				

