



INDIAN SCHOOL MUSCAT
SECOND PRE - BOARD EXAMINATION
INFORMATICS PRACTICES (065)

CLASS: XII

TERM 2

Time Allotted: 2 hrs

02.03.2022

Max. Marks: 35

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 – 3, 8 and 12.

1. Define the following: 2
 a) Cookie b) Web Browser
2. Write any two difference between web site and web page. 2
3. Find the output of the following: 2
 a) Select mid("Circular",1,4) from dual;
 b) Select pow(3,4);
 (or)
 Explain a) mid() b) pow()
4. How Add-ons are different from plugins? Explain. 2
5. Predict the output of the following: 2
 a) Select truncate(23.456,2) ;
 b) Select round(456.78,-1);
6. What is the use of ORDER BY clause in MySQL? Explain with an example. 2
7. Ms. Latha, a HR Manager in a multinational company "P&G" has created the following table to store the records of employees:

Table: Employee

Emp_id	Empname	Deptno	Salary
A2345	Karan	200	3000
C4567	Rhea	100	7500
F3456	Scott	100	3400
T5432	Martin	200	5000
D2314	Yash	300	7000
J4567	Gouri		4600
C7654	Hari	100	2500

She has written following queries: (Predict the output)

- i) select Empname,deptno from employee order by salary;
ii) select Empname from emp where empname Not like '%a%';

2

Section -B
Each question carries 3 marks

8. Predict the output of the following :
- Select concat(left("Welcome",3),right("Welcome",4));
 - Select instr("Corporate","or");
 - Select year(now());

3

OR

Ms. Praisya is working on a MySQL table named 'MANAGEMENT' having following structure:

Field	Type	Null	Key	Default	Extra
user_id	varchar(20)	YES		NULL	
name	varchar(20)	YES		NULL	
city	varchar(20)	YES		NULL	
mobile_no	varchar(11)	YES		NULL	

- Write a query to display first 3 characters from the name column.
- Write a query to convert the city column as capital letter.
- To display 5 characters from 4th place from the column user_id
Suggest suitable SQL function for the same. Also write the query to achieve the desired task.

9. Define join. Explain any two techniques to join the two table tables with an example.
10. Define TCL. How Commit is different from Roll back? Explain with an example.

3

3

Section - C
Each question carries 4 marks

11. Carefully observe the following table named 'MAINDATA':
Table: MAINDATA

4

Id	Prod_name	Prod_category	Price	Origin
A89765	KeyBoard	Input	345	Taiwan
G34567	HDD	Storage	650	India
S23453	Mouse	Input	200	USA
K92761	Monitor	Output	540	India
J1234	USB	Storage	100	Taiwan

Write SQL queries for the following:

- To display how many records are there in each product category.
- To display product name, product category and price of all the products from India.
- To display the maximum product price of each Origin.
- To display all the product details whose price is more than 200 and less than 500.

12. Manish, a database analyst has created the following table:

Table: Student

Rollno	Name	Clas sec	Stream	AVGMark	Grade
1231	Umesh	12I	Commerce	345	C
2356	Chandini	12A	Science	NULL	B
6554	Bala	12G	Commerce	450	B
3451	Vishnu	12B	Science	399	C
4321	Girish	12K	Humanities	421	A
2134	Xavier	12G	Commerce	491	A

He has written following queries:

- select Max(avgmark) from student where Grade="B" and STREAM= 'Commerce';
- select name, stream, avgmark from student where clas_sec IN("12I","12K");
- select avg(avgmark),clas_sec from student group by class_sec;
- select left(NAME,3) from student where Avgmark >359;

Help him in predicting the output of the above given queries.

OR

Based on the above given table named 'Student', Manish has executed following queries:

Select count(*) from student;
Select count(avgmark) from student;

Predict the output of the above given queries.

Also give proper justifications of the output generated through each query.

13. Explain the following terms:

- MAN
- SERVER
- REPEATER
- TOPOLOGY

End of the Question Paper