

SECTION-I

Examine below tables and answer the questions (1.5 marks each).

Sample Table – Worker

WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
001	Monika	Arora	100000	2014-02-20 09:00:00	HR
002	Niharika	Verma	80000	2014-06-11 09:00:00	Admin
003	Vishal	Singhal	300000	2014-02-20 09:00:00	HR
004	Amitabh	Singh	500000	2014-02-20 09:00:00	Admin
005	Vivek	Bhati	500000	2014-06-11 09:00:00	Admin
006	Vipul	Diwan	200000	2014-06-11 09:00:00	Account
007	Satish	Kumar	75000	2014-01-20 09:00:00	Account
008	Geetika	Chauhan	90000	2014-04-11 09:00:00	Admin

TABLE- BONUS

BONUS_ID	WORKER_ID	BONUS_DATE	BONUS_AMOUNT
1	1	2016-02-20	5000
2	2	2016-06-11	3000
3	3	2016-02-20	4000
4	1	2016-02-20	4500
5	2`	2016-06-11	3500

TABLE –TITLE

TITLE_ID	WORKER_TITLE	WORKER_ID	AFFECTED_FROM
1	MANAGER	1	2016-02-20
2	EXECUTIVE	2	2016-06-11
3	MANAGER	5	2016-06-11
4	ASST. MANAGER	4	2016-06-11
5	EXECUTIVE	7	2016-06-11
6	EXECUTIVE	8	2016-06-11
7	LEAD	6	2016-06-11
8	LEAD	3	2016-06-11

1. Write an SQL query to fetch “FIRST_NAME” from the Worker table using the alias name <WORKER_NAME>
2. Write an SQL query to fetch “FIRST_NAME” from the Worker table in upper case
3. Write an SQL query to fetch unique values of DEPARTMENT from the Worker table.
4. Write an SQL query to print the first three characters of FIRST_NAME from the Worker table.
5. Write an SQL query to print all Worker details from the Worker table order by FIRST_NAME Ascending.
6. Write an SQL query to print all Worker details from the Worker table order by FIRST_NAME Ascending and DEPARTMENT Descending.
7. Write an SQL query to print details of Workers with DEPARTMENT name as “Admin”
8. Write an SQL query that fetches the unique values of DEPARTMENT from the Worker table and prints its length.

9. Write an SQL query to print the FIRST_NAME from the Worker table after replacing 'a' with 'A'.
10. Write an SQL query to print the FIRST_NAME and LAST_NAME from able into a single column COMPLETE_NAME. A space char should separate them.
11. Write an SQL query to print details of the Workers whose FIRST_NAME contains 'a'.
12. Write an SQL query to print details of the Workers whose FIRST_NAME ends with 'a'.
13. Write an SQL query to print details of the Workers whose SALARY lies between 100000 and 500000.
14. Write an SQL query to fetch the count of employees working in the department 'Admin'.
15. Write an SQL query to show the current date and time.
16. Write an SQL query to show the last record from a table.
17. Write an SQL query to fetch departments along with the total salaries paid for each of them.
18. Write an SQL query to fetch the names of workers who earn the highest salary.
19. Write an SQL query to join the worker ,bonus and title tables using 2 methods
20. SQL query to show top 10 records from table.

SECTION-II

Read the following questions (2marks each).

1. What are the different types list in HTML. Give an example
2. Convert the below data into table format in html.
 - a. Slno, language, mostly used for
 - b. 1, HTML, frontend
 - c. 2, CSS, frontend
 - d. 3, python, backend
3. How to implement a method in a form using html.
4. Display your family informations with background and other format using html.
5. Design the webpage to display the following table with hyperlinks the department name for every information inside the table.

S. No.	Dept. Name	Courses	
		UG	PG
1	Computer Science	Yes	Yes
2	Maths	Yes	Yes
3	Chemistry	NO	Yes
4	Commerce	Yes	Yes

6. Design a login form using HTML
7. How to load a image in a HTML

8. Create a registration form using HTML with a fields of

- a. Full name.
- b. Dob in a calendar format.
- c. Phone number allows numbers only.
- d. Select date and time at a time.
- e. Email.
- f. Color from a palatte.
- g. Password is to be hidden.
- h. Select gender from radio.
- i. Select district from dropdown.
- j. Select hobbies from checkbox.
- k. Upload image.

9. Write a code for view vedio using html

10.How can you make a bullet list.

SECTION-III

Read the following questions (3marks each).

1. A="hello"

B="world"

- a. print the character from the position from 2 to 5.
- b. Convert string to uppercase.
- c. Convert string to lowercase.
- d. how to print the length of a string.
- e. how to concatenate string A and B.

2. a=["anu",1,2,2.5,"a"]

1. How to print 2nd element from a list.
 2. How to add a new element from a list.
 3. How to add the value 10 in 2nd position of a list.
 4. How to remove the value 1 from list.
 5. How to remove 2nd position item from a list.
 6. How to print last item in a list.
3. How append elements from L1 to L2 using extend function.

L1=["apple","banana","cherry"]

L2=["mango","pineapple","papaya"]

4. T1=("apple","orange","cherry")

- a. How to print no of items in a tuple
- b. How to add **kiwi** in a tuple
- c. Print datatype of T1 AND T2.

T1=("apple",)

T2=("apple")

5. S1={"apple","banana","cherry"}

- a. How to print no of items in a set.
- b. How to add item in a set .
- c. How to remove item in a set

6. Print * pattern.

7. Print fibinoccai series.

8. Python code for reverse a string "123".

9. Show an example of dictionary having fname,lname,place,and phone.

10. Print the odd and even numbers from 1 to100.

