**SQL FINAL MOCK TEST ANSWER SHEET**

**SET:1**

**1. DISPLAY the first three characters of each destination name**

**ANS:** SELECT SUBSTR(destination\_name,1,3) AS short\_name FROM destination;

**2. DISPLAY customers who have not made any bookings**

**ANS:** SELECT c.\*

FROM customer c

LEFT OUTER JOIN bookings b ON c.customer\_id = b.customer\_id WHERE b.booking\_id IS NULL;

**OR**

SELECT c.\* FROM BOOKINGS B

RIGHT OUTER JOIN CUSTOMER C ON c.customer\_id = b.customer\_id

WHERE b.booking\_id IS NULL;

**3. DISPLAY most popular destination NAME based on confirmed bookings**

**ANS:** SELECT d.destination\_name, COUNT(\*) AS total\_confirmed\_bookings

FROM bookings b

INNER JOIN packages p ON b.package\_id = p.package\_id

INNER JOIN destination d ON p.destination\_id = d.destination\_id

WHERE b.status = 'Confirmed' GROUP BY d.destination\_name

ORDER BY total\_confirmed\_bookings DESC LIMIT 1;

**4. DISPLAY all packages with their destination and price**

**ANS:** SELECT p.package\_name, d.destination\_name, p.price

FROM packages p INNER JOIN destination d ON p.destination\_id = d.destination\_id;

**5. Calculate total revenue generated per destination**

**ANS:** SELECT d.destination\_name, SUM(p.price) AS total\_revenue

FROM bookings b INNER JOIN packages p ON b.package\_id = p.package\_id

INNER JOIN destination d ON p.destination\_id = d.destination\_id

WHERE b.status = 'Confirmed' GROUP BY d.destination\_name;

**6. Retrieve the total number of bookings by their status**

**ANS:** SELECT status, COUNT(\*) AS count\_per\_status

FROM bookings GROUP BY status;

**SET:2**

**1. DISPLAY packages containing the word "Tour"**

**ANS:** SELECT \* FROM packages WHERE package\_name LIKE '%Tour%';

**2. DISPLAY all packages with their destination and price**

**ANS:** SELECT p.package\_name, d.destination\_name, p.price

FROM packages p INNER JOIN destination d ON p.destination\_id = d.destination\_id;

**3. Calculate total revenue generated per destination**

**ANS:** SELECT d.destination\_name, SUM(p.price) AS total\_revenue FROM bookings b

INNER JOIN packages p ON b.package\_id = p.package\_id

INNER JOIN destination d ON p.destination\_id = d.destination\_id

WHERE b.status = 'Confirmed' GROUP BY d.destination\_name;

**4. DISPLAY the year and month from booking dates**

**ANS:** SELECT YEAR(booking\_date) AS booking\_year, MONTH(booking\_date) AS booking\_month

FROM bookings;

**5. DISPLAY destination NAME with the highest average package cost**

**ANS:** SELECT d.destination\_name, AVG(p.price) AS avg\_price FROM packages p

INNER JOIN destination d ON p.destination\_id = d.destination\_id

GROUP BY d.destination\_name

ORDER BY avg\_price DESC

LIMIT 1;

**6. DISPLAY destinations in Karnataka with an average cost less than 1000**

**ANS:** SELECT destination\_name

FROM destination

WHERE state = 'Karnataka' AND average\_cost < 1000;

**SET:3**

**1. DISPLAY the number of bookings per customer**

**ANS:** SELECT c.CUSTOMER\_ID, COUNT(b.booking\_id) AS total\_bookings

FROM customer c

INNER JOIN bookings b ON c.customer\_id = b.customer\_id

GROUP BY c.customer\_id;

**2. DISPLAY destination NAME with the highest average package cost**

**ANS:** SELECT d.destination\_name, AVG(p.price) AS avg\_price FROM packages p

INNER JOIN destination d ON p.destination\_id = d.destination\_id

GROUP BY d.destination\_name

ORDER BY avg\_price DESC LIMIT 1;

**3. Retrieve bookings made after January 15, 2024**

SELECT \*

FROM BOOKINGS

WHERE BOOKING\_DATE>’2024-01-15’;

**4. DISPLAY the package with the longest duration**

**ANS:** SELECT \* FROM packages

ORDER BY duration\_days DESC LIMIT 1;

OR

SELECT \* FROM PACKAGES

WHERE DURATION\_DAYS IN( SELECT MAX(DURATION\_DAYS) FROM PACKAGES);

**5. DISPLAY CUSTOMER NAME who booked multiple packages**

**ANS:** SELECT c.customer\_id, COUNT(b.package\_id) AS packages\_booked

FROM customer c inner JOIN bookings b ON c.customer\_id = b.customer\_id

GROUP BY c.customer\_id HAVING COUNT(b.package\_id) > 1;

**6. DISPLAY destination NAMES with bookings marked as "Pending**

**ANS:** SELECT d.destination\_name FROM bookings b

inner JOIN packages p ON b.package\_id = p.package\_id

inner JOIN destination d ON p.destination\_id = d.destination\_id WHERE b.status = 'Pending';