Section 3

Q1. Identify the product category with the most number of products available.

Ans:- select prod\_id,prod\_category from product\_information;

Q2. Identify the maximum quality sold for each unique product.

Ans:- select max(quantity)as qty ,prod\_id from

Order\_details where group by order\_details;

Q3. Identify the top-selling product in each city.

Ans:- select top prod\_id,city \_name from

Product\_information,city

Group by city\_name;

Q4.identify the top 5 citties that did the maximum sales.

Ans:- select top 5 city\_name from city;

Q5. Identify all the unique product names having at least more than 50 product sold.

Ans:- select prod\_name from product\_information

Where prod\_name>50;

Section 1

Q1. Identify all the cities in which company has its current operations.

Ans:- select city\_name from city;

Q2. As the company is focused on hotels and corporate business,identify all the product names in the housekeeping and office supplies category.

Ans:- select prod\_name, prod\_category from product\_information

Where prod\_category in(“housekeeping”,”officesupplies”);

Q3. Also, identify all the product names common in Q2.product categories.

Ans:- select prod\_name,prod\_category from product\_information

Where prod\_category in(“housekeeping”,”officesupplies”);

Q4. As the company wants to expand its operations in Karnataka, identify the count of total customers present in this stata.

Ans:- Select count(cust\_name) as name ,city\_state from

Custmers,city

Where city\_state = “Karnataka”;

Q5. Identify the product categories currently consumed in the state mentioned in Q4.

Ans:- Select prod\_category ,city\_state from product\_information,city

Where city\_state = “Karnataka”;

Q6. Identify the maximum purchased product categoty by the customers between the ages Of 20-25 years in Karnataka.

Ans:- select max(prod\_category) as product,age,city\_state from product\_information,

Customers,city

Where age between 20 and 25 or city\_state=”Karnataka”;

Section 2

Q1. Identify the individual states the company is currently operating in.

Ans:- select city\_state from city;

Group by city\_state;

Q2. Identify the unique product categories the company is currently operating in.

Ans:- select prod\_id,prod\_category from product\_information;

Q3.identify the top 5 expensive products this company among all its product lines.

Ans:- select top 5\* from product\_information;

Q4. Identify the top 5 selling products by this company .

Select top 5 prod\_name from product\_information;

Q5. Identify the top 5 revenue-generating products of this company along with their price and quantity .rank them from the most revenue-generating to the least revenue-generating products.

Ans:- select top 5 prod\_name least(prod\_price, quantity )from

Product\_information,order\_details;

Q6. The company wants to drop 2 products with the least revenue.suggest the company which

Can be those products based on your data analysis.

Ans:- drop product\_information,order\_details 2

Prod\_name,least(prod\_price, quantity);

Section 4

Q1. List out all the product names which are sold along with their prices and quantity sold.

Ans:- select prod\_name,price,quantity from prod\_information,order\_details;

Q2.list out all the product names and the respective cities to which they are sold.

Ans:- select prod\_name,city\_name from

Product\_information,city;

Q3.list out all the product names with their prices and the customer name its sold(if any)

Ans:- select prod\_name,price,cust\_name from product\_information,

Order\_details,customers;

Q4.list out all the customer names with their age and the product category they purchased

(if present in the database)

Ans:- select cust\_name,age,prod\_category from

Customers,product\_information;

Q5. List all the combinations of customer name,customer age,city,state,product name,product price,quantity sold for the product by that company.

Ans:- Select cust\_name,age,city\_name,city\_state,prod\_name,prod\_price,quantity

From customers,city,product\_information;

Q6. List the combinations of customer age and quantity sold to him/her by that company handle all the null values as age to be 20 and quantity to be 0 in case of null values.

Ans:- select age, quantity from customers,

Product\_information,order\_details

Where age=20 and quantity=0;

Section 5

Q1.list all combinations of order,city,and product details from the data given.

Ans:- select \* from order\_details,city,product\_information;