



Because of Today Tomorrow Will Be better

# RK Academy

One step Ahead to Your Success...

SUB: IP

UNIT TEST – 1

CLASS- XII

TIME- 45 MIN

F.M. – 20

1. Answer all the questions.

[1 x 10=10]

Write the output of the following queries (from Q.N. a to g).

- SELECT POW (2,3);
- SELECT ROUND (123.2345, 2),
- ROUND (342.9234, -1);
- SELECT LENGTH ("Informatics Practices");
- SELECT YEAR ("1979/11/26"),  
MONTH ("1979/11/26");
- SELECT LEFT("INDIA",3), RIGHT ("Computer Science",4);
- 

PCode	PName	UPrice	Manufacturer
P01	Washing Powder	120	Surf
P02	Tooth Paste	54	Colgate
P03	Soap	25	Lux
P04	Tooth Paste	65	Pepsodant
P05	Soap	38	Dove
P06	Shampoo	245	Dove

- SELECT PName, Average(UPrice) FROM Product GROUP BY Pname;
  - SELECT DISTINCT Manufacturer FROM Product;
- Write the SQL Query for Add a new column Discount in the INVENTORY table.
  - Write the name of the functions to display the day like "Monday", "Tuesday", from the date when India got independence.
2. Answer any one question. [2]
- Define RDBMS. Name any two RDBMS software.
  - Site any two differences between Single row functions and Aggregate functions.
3. Answer any one question. [3]
- What do you understand by Cartesian Product?
  - (i) Write the SQL queries to display the specified number of characters from a particular position of the given string.

- (ii) To display the name of the month in which you were born.
- (iii) To display your name in capital letters.

4. Answer any one question.

[5]

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a) Write SQL queries for the following:

- i. Create the table Product with appropriate data types and constraints.
- ii. Identify the primary key in Product.
- iii. List the Product Code, Product name and price in descending order of their product name. If PName is the same then display the data in ascending order of price.
- iv. Add a new column Discount to the table Product.
- v. Calculate the value of the discount in the table Product as 10 per cent of the UPrice for all those products where the UPrice is more than 100, otherwise the discount will be 0.

b) What are the Operations on Relation? Describe all types of relations with queries.