BLOGS

Sample Quantitative Techniques for CLAT 2024

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Go through the passages and the relevant data mentioned below and answer the following questions:

A. The Republic Bank has a total of 8200 accounts, which are of five different types namely, Current account, Savings account, Kids account, Senior citizen account and Demat account. 40% of the total number of accounts are Current accounts whereas 25% are Savings accounts. Out of the remaining accounts half the number are Demat accounts, and Kids accounts and Senior citizen accounts are in the ratio of 2 : 3 respectively.

1. Find the difference between the total number of savings accounts and Senior citizen accounts at Republic Bank.

a) 1219
b) 1189
c) 1917
d) 1690

2. The total number of Current accounts and Demat accounts together form what percentage of total accounts in the bank?

a) 37.5
b) 45
c) 52
d) 57.5

3. If 40% of Demat accounts and 10% of Savings accounts are non-operative. What is the total number of accounts that are operative in Republic Bank?

a) 7421

b) 7324

c) 7525

d) 7123

4. The number of Kids accounts is approximately what percent of the total number of Savings accounts and Current accounts together?

a) 8.75

b) 12.12

c) 11.05

d) 10.77

5. In the bank only 50% of Savings accounts and one-third of Senior Citizen accounts have opted for Net banking facility, then what is the total number of accounts having Net banking?

a) 1213

b) 1312

c) 1234

d) 1432

Answers

1. b

2. d

3. a

4. d

5. b

B. The table given below shows the discount offered on the marked price for two items – P and Q on four online websites – A, B, C and D. The ratio of the cost price of item P is 1 : 2 : 1 : 2 for websites A, B, C and D respectively. The ratio of the selling price of item Q is 1 :2: 1 : 2 for websites A, B, C and D .

1. If the marked price of Q on D is Rs.6,000, then what is the marked price of Q on A?

a) Rs. 2,732.25

b) Rs. 2,812.50

c) Rs. 3,622.50

d) Rs. 2,642.25

2. If the marked price of Q on A is Rs.4,000 and the marked price of Q on B is 20% more than the marked price of Q on A, what is the total marked price of Q in all 4 given online websites?

a) Rs. 24,333.33

b) Rs. 26,443.67

c) Rs.22,333.33

d) Rs. 20,223.67

3. If the discount on P on B is Rs. 300 and the profit is 10%, what is the cost price of P on B?

a) Rs.1,545.45

b) Rs.1,650.50

c) Rs.1,425.25

d) Rs.1,565.50

4. The ratio of the marked price of Q on A to the marked price of Q on B is 3 : 5. What is the rate of discount on Q on B?

a) 2.5%

b) 20%

c) 8%

d) 4%

5. The total cost price of P on A and on C is Rs.8,000 and the selling price of P on A is Rs. 80 more than that on C. If the profit on P on C is 10%, then what is the selling price of P on A?

a) Rs. 4,480

b) Rs. 4,380

c) Rs. 4,260

d) Rs. 4,660

Answers

1. b

2. c

3. a

4. d

5. a