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Date Interpretation Info Chart Questions Quiz for Bank PO Exams.

Data Interpretation Info Chart Quiz 1

Directions: Study the given information carefully to answer the questions.

Sidhartha has decided to start a new company 'Sidhartha Travels'. He wants to buy some furniture – table, chair, air-conditioners. He also wants to buy a few desktops which will include monitor, CPU, keyboard and mouse and the cost of each table is 13.5 times the cost of a mouse and the cost of chair is 3/5 of the cost of a table. The cost of an air conditioner is 5 times the cost of a chair. The cost of a monitor is 20% more than the cost of a chair, A CPU costs Rs. 1500 more than a table and the keyboard costs 4 times a mouse. The cost of a mouse is Rs. 1000.

1. What will be the total cost of 1 table and 2 chairs together?

A. Rs. 23,200   B. Rs. 28,800   C. Rs. 29,700
D. Rs. 24,700   E. None of these

2. What is the ratio of the cost of a CPU to the total cost of a mouse and a keyboard together?

A. 3 : 2   B. 4 : 1   C. 3 : 1
D. 5 : 1   E. 5 : 3

3. If the cost of a keyboard and a mouse increases by 20% and 15% respectively, what will be the total cost of a desktop (given that the cost of a CPU and a monitor is the same)?

A. Rs. 36,930   B. Rs. 32,640   C. Rs. 34,753
D. Rs. 30,670   E. Rs. 35,425

4. Sidhartha bought 1 table, 1 chair and 1 desktop for himself. What was the total cost incurred to him?

A. Rs. 53,400   B. Rs. 51,460   C. Rs. 50, 640
D. Rs. 55, 440   E. Rs. 51,320

5. It was initially decided that 4 air conditioners will be installed but later only 3 air conditioners and a fan were installed. If the cost of a fan is 1/10 of the cost of an air conditioner, what was the total cost incurred?

A. Rs. 1,29,400

B. Rs. 1,24,500

C. Rs. 1, 25, 550

D. Rs. 1,24,350

E. Rs. 1,25,600

Correct Answers:

1	2	3	4	5
C	C	D	E	C

Explanations:

1. Cost of a mouse is Rs. 1000.

Cost of a keyboard = Rs. 1000 × 4 = Rs. 4000

Cost of a table = Rs. 1000 × 13.5 = Rs.13500

Cost of a chair = $\dfrac{3}{5}$ × 13500 = Rs. 8100

∴ Cost of 2 chairs = 8100 × 2 = 16200

Cost of 1 table + 2 chairs = 13500 + 16200 = Rs. 29,700.

Hence, option C is correct.

2. Cost of a mouse is Rs. 1000.

Cost of a keyboard = Rs. 1000 × 4 = Rs. 4000

Cost of a table = Rs. 1000 × 13.5 = Rs. 13500

Cost of a CPU = 13500 + 1500 = Rs. 15000.

Reqd ratio = $\dfrac{\text{Cost of a CPU}}{\text{Cost of a (Mouse + Keyboard)}}$

= $\dfrac{15000}{1000 + 4000}$ = $\dfrac{15000}{5000}$ = 3 : 1

Hence, option C is correct.

3. Cost of a mouse is Rs. 1000.

Cost of a keyboard = Rs. 1000 × 4 = Rs. 4000

Cost of a table = Rs. 1000 × 13.5 = Rs. 13500

Cost of a chair = $\dfrac{3}{5}$ × 13500 = Rs. 8100

Cost of a monitor = $\dfrac{8100 \times 120}{100}$ = Rs. 9720

Cost of a keyboard after 20% increment = 4000 × $\dfrac{120}{100}$ = Rs. 4800

Cost of a mouse after 15% increment = $1000 \times \dfrac{115}{100}$ = Rs. 1150

∴   Cost of a desktop = Cost of (Monitor + CPU + Keyboard + Mouse)

= 9720 + 15000 + 4800 + 1150 = Rs. 30670.

Hence, option D is correct.

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4. Cost of a mouse is Rs. 1000.
Cost of a keyboard = Rs. 1000 × 4 = Rs. 4000
Cost of a table = Rs. 1000 × 13.5 = Rs. 13500

Cost of a chair = $\dfrac{3}{5}$ × 13500 = Rs. 8100

Cost of a monitor = $\dfrac{8100 \times 120}{100}$ = Rs. 9720

Cost of a CPU = 13500 + 1500 = 15000

Total cost = 13500 + 8100 + 1000 + 4000 + 9720 + 15000 = Rs. 51320

Hence, option E is correct.

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5. Cost of a mouse is Rs. 1000.
Cost of a table = Rs. 1000 × 13.5 = Rs. 13500

Cost of a chair = $\dfrac{3}{5}$ × 13500 = Rs. 8100
Cost of an air conditioner = 5 × 8100 = Rs. 40500

Cost of a fan = $40500 \times \dfrac{1}{10}$ = 4050

Now, cost of 3 air conditioners + 1 fan = 3 × 40500 + 4050 = 121500 + 4050 = Rs. 125550.

Hence, option C is correct.