DI Info Chart Questions for IBPS Clerk Mains, SBI Clerk Mains, IBPS PO Pre and SBI PO Pre Exams.

Directions: Study the following information carefully and answer the questions given beside.

Three online hotel booking website A,B and C listed some hotels on their websites. The all listed 3 star, 4 star and 5 star hotels. One hotel can be listed on exactly one website.

Further it is known that

(I) Total number of hotels listed on all three website together is 720.

(II) Total number of 4 star hotels is twice the total number of 3 star hotels on all the three websites taken together. Further, total number of 5 star hotels is thrice the total number of 4 star hotels on all three sites together.

(III) Out of 200 hotels listed on Websites A, 30% are 3 star hotels.

(IV) Ratio of 5 star hotels on sites A,B and C are 1 : 1 : 2.

(V) Number of 5 star hotels on B website is 20% more than number of 4 star hotels on the same website.

(VI) Number of 3 star hotels on website B and C are same.

1.   What is the total number of 4 star hotels from website A and C together ?

A. 80   B. 70   C. 60   D. 360   E. 50

2.   What is the difference between 3 star hotels on site A and 4 star hotels on site C ?

A. 20   B. 10   C. 30   D. 50   E. 80

3.   4 Star Hotels on Site B is what percent of total number Hotels on Site A ?

A. 25%   B. 75%   C. 80%   D. 20%   E. 50%

4.   What is the total number of Hotels listed on Website C ?

A. 290   B. 230   C. 200   D. 190   E. None of these

5. **Website D also started listing of Hotels on their site. Number of 3 star hotels on site D is 50% more than number of 4 star hotels on site A. Total number of hotels (3 star, 4 star and 5 star) on site D are 500, out of which 50% are 4 star. Find the number of 5 star hotels listed on site D.**

A. 210   B. 220   C. 250   D. 190   E. None of these

Correct Answers:

1	2	3	4	5
C	A	E	A	B

Common explanation :

It is given that total number of hotels is 720.

4 star hotels = 2 × (3 star hotels)
5 star hotels = 3 × (4 star hotels)

Let, 3 star hotels M, 4 star hotels N and 5 star hotels P.

N = 2M
P = 3N

M + 2M + 6M = 720
9M = 720
M = 80
N = 160
P = 480

Total 200 hotels listed on sites A. Out of which, 30% are 3 star.
60 hotels are there in 3 star category on Site A.
Total 5 star hotels are 480.
Ratio of the hotels on site A, B and C is 1:1:2.
4x = 480
x = 120

Number of 5 star hotels on B website is 20% more than number of 4 star hotels on the same website.

Number of 5 Star Hotels on site B = 120

So, number of 4 star hotels on site B would be 100.

Total 4 star hotels are 160.

So 4 star hotels on site C will be 160 – 20 – 100 = 40

Number of 3 star hotels on website B and C are same.

Total 80

So 3 star and 4 star hotels on site B and C should be 10.

Hotel/Site	A	B	C	
3 Star	60	10	10	80
4 Star	20	100	40	160
5 Star	120	120	240	480
Total	200	230	290	720

Answers :

1.   Following the common explanation, we get

Total number of 4 star hotels from Site A and C together are 60

Hence, option C is correct.

2.   Following the common explanation, we get

3 star Hotels on site A = 60

4 star Hotels on Site C = 40

Difference = 20

Hence, option A is correct.

3.   Following the common explanation, we get

4 Star Hotels on Site B = 100

Total Hotels on Site A = 200

Reqd. % = $\frac{100}{200} \times 100$ = 50%

Hence, option E is correct.

4.   Following the common explanation, we get

Total number of Hotels listed on site C is 290.

Hence, option A is correct.

5.   Following the common explanation, we get

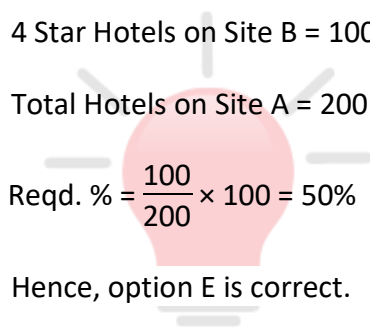3 star hotels on site D is 50% more than number of 4 star hotels on site A

3 star hotels on Site D = 150% of 20 = 30

Total Hotels on site D = 500
Out of Which 50% are 4 star = 250

Number of 4 star hotels on site D = 500 – 250 – 30 = 220

Hence, option B is correct.