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Date Interpretation Info Chart Questions Quiz for Bank PO Exams.

DI Info Chart Quiz 4

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

There are five ISKCON temples in five different cities of India; Vrindavan, Ahmedabad, Anantpur, Baroda and Banglore. The total number of ISKCON devotees in the cities are 9000. The strength of Vrindavan temple is 20% and that of Ahmedabad is 35% of the total devotees of the cities. Baroda and Banglore have equal strength. 30% of the devotees of Vrindavan know only Sanskrit. 40% devotees of temple in Baroda know only Hindi.

There are 10 more devotees in Ahmedabad temple who know only Hindi than the number of devotees of Baroda temple who know only Hindi. The strength of Anantpur temple is 50% that of temple Vrindavan. Two-fifths of devotees of Ahmedabad temple know both the languages. 40% devotees of Vrindavan temple know both languages.
50% devotees of Anantpur temple know only Hindi and the number of devotees of Anantpur temple who know both the languages is equal to the number of devotees who know only Sanskrit. The number of devotees who know only Sanskrit from Banglore temple is equal to the number of devotees who know only Hindi from Baroda temple.

The number of devotees who know only Hindi from Banglore temple is 40 more than the number of devotees who know only Hindi from Anantpur temple. The number of devotees of Baroda temple who know only Sanskrit is 45 more than the number of devotees who know both the languages from Banglore temple. Each devotee knows at least one of the two languages. Sanskrit and Hindi.

1. What is the percentage of the number of ISKCON devotees who know both the languages?

A. 24.5%   B. 34.5%   C. 28.5%   D. 36.5%   E. None of these

2. What is the difference between the number of ISKCON devotees who know Sanskrit and those who know only Hindi ?

A. 2500   B. 2800   C. 4000   D. 3500   E. None of these

3. The number of Bangalore ISKCON temple devotees who know only Sanskrit language is how many times of those who know both the languages from Vrindavan temple?

A. 2 times   B. 0.875 times   C. 2.58 times   D. 0.5 times   E. None of these

4. What is the ratio of the total number of devotees who know both the languages from temple Vrindavan and temple Anantpur together to the total number of devotees from temple Baroda?

A. 2 : 1   B. 3 : 5   C. 4 : 3   D. 3 : 2   E. None of these

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5. What is the maximum difference between the number of devotees who know only Sanskrit and only Hindi from a certain temple?

A. Vrindavan   B. Banglore   C. Anantpur   D. Ahmedabad   E. Baroda

Correct Answers:

1	2	3	4	5
B	D	B	B	D

Common Explanations:

Following the given information we can create a table as follows:

Temples	Total	Only Sanskrit	Only Hindi	Both Sanskrit & Hindi
Vrindavan	20% of 9000 = 1800	30% of 1800 = 540	540	40% of 1800 = 720
Ahmedabad	35% of 9000 = 3150	1250	630 + 10 = 640	2/5 of 3150 = 1260
Anantpur	50% of 1800 = 900	225	50% of 900 = 450	225
Baroda	1575	455 + 45 = 500	40% of 1575 = 630	445
Banglore	1575	630	450 + 40 = 490	455

Answers :-

1. Following the common explanation, we get

Total number of ISKCON devotees who know both languages = 720 + 1260 + 225 + 445 + 455 = 3105

Total number devotees in all the cities = 9000

$= \dfrac{3105}{9000} \times 100 = 34.5\%$

Hence, option B is correct.

2. Following the common explanation, we get

Total number of devotees who know Sanskrit = 540 + 1250 + 225 + 500 + 630 = 3145 + 3105 (from both the languages) = 6250

Total number of devotees who know only Hindi = 540 + 640 + 450 + 630 + 490 = 2750

Reqd. difference = 6250 – 2750 = 3500

Hence, option D is correct.

3. Following the common explanation, we get

Total number of Bangalore ISKCON temple devotees who know only Sanskrit = 630

Total number of Vrindavan ISKCON temple devotees who know both the languages = 720

Reqd. answer = $\dfrac{630}{720}$ = 0.875 times

Hence, option B is correct.

4. Following the common explanation, we get

Total number of devotees from Vrindavan temple who know both the languages = 720

Total number of devotees from Anantpur temple who know both the languages = 225

= 720 + 225 = 945

Total number of devotees from Baroda temple = 1575

Reqd. ratio = $\dfrac{945}{1575} = \dfrac{3}{5}$ = 3 : 5

Hence, option B is correct.

5. Following the common explanation, we get that the Ahmedabad temple has the maximum difference between the no. of devotees who know only Sanskrit and only Hindi.

Hence, option D is correct.