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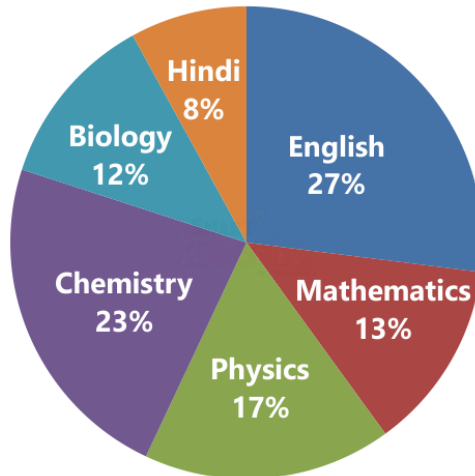**JOIN NOW**

Date Interpretation Pie Chart Questions for Bank and SSC Exams.

Directions: Study the following graph carefully & answer the questions given below it.

Percentage distribution of teachers who teach six different subjects

1. If two-ninths of the teachers who teach Physics are females, then the number of male Physics teachers is approximately what per cent of the total number of teachers who teach Chemistry?

A. 57%   B. 42%   C. 63%   D. 69%

2. What is the total numbers of teachers who teach Chemistry, English and Biology?

A. 1226   B. 1116   C. 1176   D. 998

3. What is difference between the total number of employees teacher who teach English and Physics together and total number of teacher who teach Mathematics and Biology together?

A. 352   B. 342   C. 643   D. 653

4. What is the ratio of the teachers who teach mathematics to the number of teachers who teach Hindi?

A. 13 : 7   B. 7 : 13   C. 7 : 26   D. 13 : 8

5. If the percentage of Mathematics teachers is increased by 50% and percentage of Hindi teachers is decreased by 25%, what will be the total number of Mathematics and Hindi teachers together?

A. 390   B. 379   C. 459   D. 480

Correct Answers:

1	2	3	4	5
A	B	B	D	C

Explanations:

1.

If $\dfrac{2}{9}$th of physics are female teachers, then

Male teachers = $1 - \dfrac{2}{9} = \dfrac{7}{9}$th of physics

Let's take x% of male physics teacher equal to Chemistry teachers, then

$\Rightarrow$ x% of Chemistry teacher = $\dfrac{7}{9}$th of physics

$\Rightarrow$ x% of (23% of 1800) = $\dfrac{7}{9}$th of (17% of 1800)

$\Rightarrow$ x% of 23 = $\dfrac{7}{9}$th of 17

$\Rightarrow$ x = $\dfrac{7}{9} \times \dfrac{17}{23} \times 100$ = 57.4% ≈ 57%

Hence, option A is correct.

2.   (Chemistry + English + Biology)% of Total number of teachers
$\Rightarrow$ (23 + 27 + 12)% of 1800
$\Rightarrow$ 62% of 1800
$\Rightarrow \dfrac{62}{100} \times 1800 = 1116$.

Hence, option B is correct.

3.   Req. difference = [(English + Physics) − (Mathematics + Biology)]% of 1800
$\Rightarrow$ [(27 + 17) − (13 + 12)]% of 1800
$\Rightarrow$ (44 − 25)% of 1800
$\Rightarrow$ 19% of 1800 = $\dfrac{19}{100} \times 1800 = 342$.
Hence, option B is correct.

4.   No. of teachers who teaches Mathematics : No. of teachers who teaches Hindi

⇒ 13% of 1800 : 8% of 1800

⇒ 13 : 8.

Hence, option D is correct.

5.   Percentage of Mathematics teacher = 13%

After increased by 50% it becomes, 13 + 6.5 = 19.5%
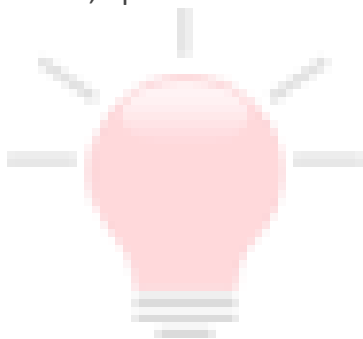
Similarly,

Percentage of Hindi teacher = 8%

After increased by 25% it becomes, 8 − 2 = 6%

Now, percentage of total teachers becomes, 19.5 + 6 = 25.5%

Therefore, 25.5% of 1800

$$\Rightarrow \frac{25.5}{100} \times 1800 = 25.5 \times 18 = 459.$$

Hence, option C is correct.