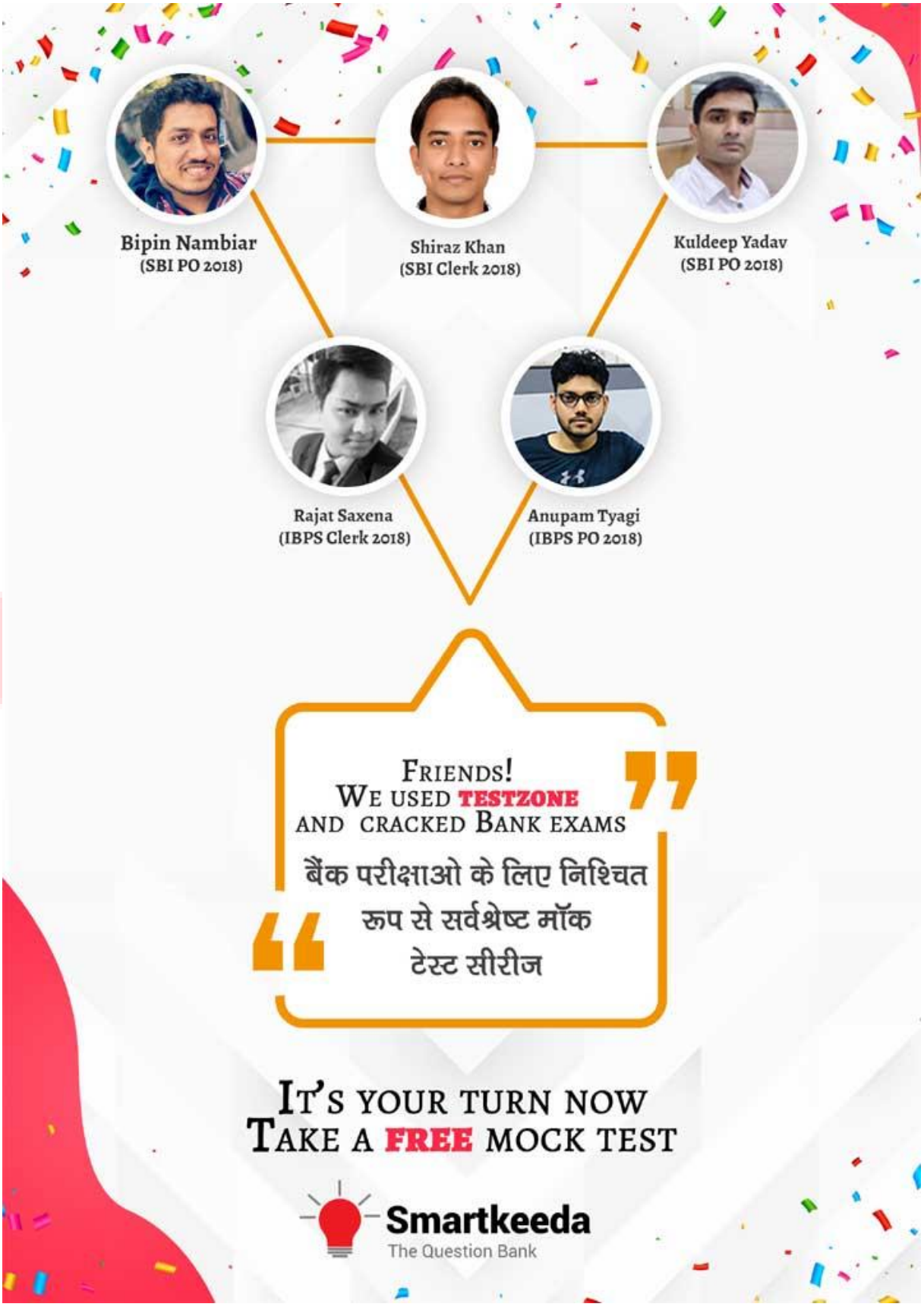
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Percentage Questions for Bank Clerk Exams – Percentage Quiz at Smartkeeda.

Percentage Quiz 1

Directions: Kindly study the following Questions carefully and choose the right answer:

1. 42% of a number is 2457. What is the number?

A. 5750 B. 5800 C. 5825 D. 5875 E. None of these

2. In an examination, 30% of the total students failed in Hindi, 45% failed in English and 20% failed in both the subjects. Find the percentage of those who passed in both subjects.

A. 35.7% B. 35% C. 40% D. 45% E. 44%

3. A mixture of 40 litres of milk and water contains 10% of water. How much water must be added to make the water 20% in the new mixture?

A. 5 litres B. 8 litres C. 10 litres D. 12 litres E. None of these

4. The number of seats in an auditorium is increased by 25%. The price of a ticket is also increased by 12%. Then the increase in revenue collection will be:

A. 38% B. 40% C. 49% D. 51% E. None of these

5. 25% of 960 + 55% of 740 = ?

A. 689 B. 647 C. 650 D. 699 E. None of these

6. One-fourth of two-fifth of 30% of a number is 15. What is 20% of that number?

A. 100 B. 50 C. Data provided are not adequate D. 200 E. 75

7. 64% of a number is 2592. What is 88% of that numbers?

A. 3458 B. 3202 C. 3826 D. 3564 E. None of these

8. The difference between 54% of a number and 26% of the same number is 22526. What is 66% of that number?

A. 53097 B. 48372 C. 51218 D. 49124 E. None of these

9. Meena invests Rs. 72318, which is 17% of her annual income, in mutual funds. What is her monthly income?

A. Rs. 33600 B. Rs. 32990 C. Rs. 35450 D. Rs. 28980 E. None of these

10. Virat spent 14% of his income on electricity bills, 28% on rent and 18% on shopping. ¼ of the remaining amount is Rs. 5125. How much did he spend on electricity bill?

A. Rs. 8750 B. Rs. 8270 C. Rs. 6270 D. Rs. 5770 E. Rs. 7175

Correct Answers:

1	2	3	4	5	6	7	8	9	10
E	D	A	B	B	A	D	A	C	E

Explanations:

1. To solve this question, we can apply a short trick approach;

If x% of Number (N) is y, then the number (N) = $\frac{y}{x} \times 100$.

By the short trick approach, we get

$$N = \frac{2457}{42} \times 100 = 5850.$$

Note: We can solve this question using another method which is described in the video above.

Hence, option (E) is correct.

2. To solve this question, we can apply a short trick approach;

In an examination x% failed in A and y% failed in B. If z% of students failed in both the subjects, the percentage of students who passed in both the subjects is 100 – (x + y – z).

Given,
In first subject failed students = x = 30%, In second subject failed students = y = 45%
In both subject failed students = z = 20%
By the short trick approach, we get

$100 – (x + y – z) = 100 – (30 + 45 – 20) = 100 – (55) = 45\%.$

Hence, option (D) is correct.

3. To solve this question, we can apply a short trick approach;

$$\text{Required litres of water} = \frac{A\{(100 – x) – (100 – y)\}}{(100 – y)}$$

Where,
A is the quantity of mixture = 40 ltrs
x is the initial percent of water = 10%
y is required percent of water = 20%

By the short trick approach, we get = $\frac{40\{(100 – 10) – (100 – 20)\}}{(100 – 20)}$

$= \frac{40 \times (90 - 80)}{80} = 5$ litres.

Hence, we need to add 5 ltrs of water to make the water 20% in new mixture.

Therefore, option (A) is correct.

4. We know that, Revenue = (No. of seats) × (Price of a ticket)

To solve this question, we can apply a short trick approach

$$\text{Net\% effect} = (x + y + \frac{xy}{100})\%$$

Where,

x is the percent increase in the no. of seats = 25%

y is the percent increase in the price of a ticket = 12%

By the net% effect, we get

$$\text{Net\% effect} = (25 + 12 + \frac{25 \times 12}{100})\% = (37 + 3)\% = 40\%$$

So, the revenue will increase by 40%.

Hence, option (B) is correct.

5. As per the question,

? = 25% of 960 + 55% of 740

$$? = \frac{25}{100} \times 960 + \frac{55}{100} \times 740$$

? = 240 + 407 = 647.

Hence, option (B) is correct.

6. Let's the number be x, then

As per the question,

$\frac{1}{4}$ of $\frac{2}{5}$ of 30% of x = 15

$\frac{1}{} \times \frac{2}{} \times \frac{30}{} \times x = 15$

4 5 100

x = 500

Now, 20% of a number = 20% of 500= $\frac{20}{100} \times 500 = 100$.

Hence, option (A) is correct.

7. Let the number be 'x'

$\therefore \; x \times \frac{64}{100} = 2592$

or $x = \frac{2592 \times 100}{64} = 4050$

$\therefore$ 88% of 4050 = $\frac{88\%\ 4050}{100} = 3564.$

Hence, option (D) is correct.

8. Let the number be 'x', then

$x \times \frac{54}{100} - x \times \frac{26}{100} = 22526$

or, $x \times \frac{28}{100} = 22526 \quad \Rightarrow \quad x = \frac{22526 \times 100}{28} = 80450$

$\therefore$ 66% of 80450 = $\frac{66 \times 80450}{100} = 53097.$

Hence, option (A) is correct.

9. Let the monthly income be x

$\therefore \; \frac{17}{100}$ of $x = \frac{72318}{12}$

or, $x = \frac{72318 \times 100}{17 \times 12} = 35{,}450$

Hence, option (C) is correct.

10. Let the initial amount be Rs. 100%

Then, $\frac{1}{4}[100 - (14 + 28 + 18)]\% \equiv 5125$

$\Rightarrow \frac{1}{4} \times 40\% \equiv 5125$

$\Rightarrow 10\% \equiv 5125$ (Remaining amount)

$14\% \equiv x$ (Electricity amount)

On cross multiplication, we get

$= x = (\frac{14 \times 5125}{10}) =$ Rs. 7175.

Hence, option (E) is correct.