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Percentage Questions for Bank Clerk Pre Exams.

Percentage Quiz 8

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

1. The production of a company has ups and downs every year. The production increases for two consecutive years consistently by 15% and in the third year it decreases by 10%. Again in the next two years it increases by 15% each year and decreases by 10% in the third year. If we start counting from the year 1994 approximately what will be the effect on the production of the Company in 1998?

A. 37% increase B. 47% increase C. 52% increase D. 32% increase E. 27% increase

2. A man earns x% on the first Rs. 2,000 and y% on the rest of his income. If he earns Rs. 700 from Rs. 4,000 and Rs. 900 from Rs. 5,000 of income, find x%.

A. 20% B. 15% C. 25% D. 30% E. None of these

3. Anushka spends 25% of her monthly income on household expenses. Her annual income is Rs. 4.32 lac. What is the total amount that Anushka spends on household expenses in 8 months together?

A. Rs. 74000 B. Rs. 71000 C. Rs. 73000 D. Rs. 72000 E. None of these

4. Reshma's monthly income is 22% more than Neelam's monthly income. If Neelam's monthly income is Rs. 3500. What is the Reshma's monthly income?

A. Rs. 4270 B. Rs. 4320 C. Rs. 4170 D. Rs. 4430 E. None of these

5. Sohan spends 23% of an amount of money on an insurance policy. 33% on food, 19% on children's education and 16% on recreation. He deposits the remaining amount of Rs. 504 in bank. How much total amount does he spend on food and insurance policy together?

A. Rs. 3200 B. Rs. 3126 C. Rs. 3136 D. Rs. 3048 E. None of these

6. The salary of an employee of a company increases every month by 4%. If his salary in August was Rs. 6300. What would be his approximate salary in month of October of the same year?

A. Rs. 6552 B. Rs. 6967 C. Rs. 6814 D. Rs. 6627 E. None of these

7. Priyanka's monthly income is 90% of Vandana's monthly incomes. The total of both their monthly income is Mr Sen's monthly income. Mr Sen's annual income is Rs. 775200. What is Priyanka's monthly income?

A. Rs. 34000 B. Rs. 35000 C. Rs. 30600 D. Rs. 30000 E. None of these

8. In a test, Rajesh got 112 marks which was 32 more than the passing marks. Sonal got 75% marks which was 70 more than the passing marks. What is the minimum passing percentage of the test?

A. 35% B. 45% C. 40% D. 30% E. None of these

9. Anish spends 25% of his salary on house rent, 5% on food, 15% on travel, 10% on clothes and the remaining amount of Rs. 22500 is saved. What is Anish's salary?

A. Rs. 40000 B. Rs. 40500 C. Rs. 45000 D. Rs. 50000 E. None of these

10. In an office, 40% of the staff is female. 40% of the female and 60% of the male voted for me. The percentage of vote I got was

A. 24 B. 42 C. 50 D. 52 E. None of these

Correct Answers:

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

Explanations:

1. Suppose the production of the company in the year 1994 be x .

Then production of the company in year 1998

$$= x \times \frac{115}{100} \times \frac{115}{100} \times \frac{90}{100} \times \frac{115}{100} = 1.368x$$

\therefore Increase % in the production in year 1998

$$= \frac{(1.368x - x) \times 100}{x} = 36.8\% \approx 37\%$$

Hence, option (A) is correct.

2. As per the given information, two equations can be written

$$2000 \left(\frac{x}{100} \right) + 2000 \left(\frac{y}{100} \right) = 700 \quad \dots(i)$$

$$2000 \left(\frac{x}{100} \right) + 3000 \left(\frac{y}{100} \right) = 900 \quad \dots(ii)$$

The equations can be simplified to

$$x + y = 35$$

$$\text{and } 2x + 3y = 90.$$

After Solving these equation, we get

$$x = 15\%$$

Hence, option B is correct.

3. According to question, we get

$$\Rightarrow \frac{(25\% \text{ of } 4.32 \text{ lac} \times 8)}{12}$$

$$\Rightarrow \frac{25 \times 432000 \times 8}{12 \times 100} = 72000/-$$

Hence, option (D) is correct.

4. Let the Reshma's monthly income be x. then,

$$122\% \text{ of } 3500 = x$$

$$\Rightarrow x = \frac{122 \times 3500}{100} = 4270/-$$

Hence, option (A) is correct.

5. Let the total amount be ₹ x

$$\text{Total expenditure} = (23 + 33 + 19 + 16) \% = 91\%$$

$$\text{Remaining money} = (100 - 91) \% \text{ of } x = 504 \Rightarrow 9\% \text{ of } x = 504$$

$$\Rightarrow x = \frac{504 \times 100}{9} = \text{Rs. } 5600$$

$$\begin{aligned} \text{Now, total money (food + insurance) \%} &= (23 + 33)\% \text{ of } x = 56\% \text{ of } x \\ &= 56\% \text{ of } 5600 = \text{Rs. } 3136. \end{aligned}$$

Hence. option (C) is correct.

6. To solve this question, we can apply a net% effect formula

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

x = 4% for September increment

y = 4% for October increment

Now, apply the net% effect formula

$$= 4 + 4 + \frac{4 \times 4}{100}\% = 8.16\%$$

$$\text{October month salary} = (100 + 8.16)\% \text{ of } 6300$$

$$= \frac{108.16 \times 6300}{100} = 6814.08 \approx 6814.$$

Hence, option (C) is correct.

7.

$$\text{Mr Sen's monthly income} = \frac{775200}{12} = 64600$$

According to the question,

$$\Rightarrow \frac{\text{Priyanka}}{\text{Vandana}} = \frac{90}{100} = \frac{9}{10} = 9 : 10$$

$$\Rightarrow \text{Priyanka's salary} = \frac{9}{19} \times 64600 = \text{Rs. } 30600$$

Hence, option (C) is correct.

8. Let the maximum marks be x.

According to the question,

$$\frac{75x}{100} - 70 = 112 - 32 \Rightarrow \frac{3x}{4} = 80 + 70$$

$$\Rightarrow 3x = 150 \times 4 = 600$$

$$\Rightarrow x = 200$$

Passing marks = $112 - 32 = 80$ (As Rajesh got 112 marks which is 32 more than the passing marks.)

$$= \frac{80}{200} \times 100\% = 40\%$$

Hence, option (C) is correct.

9. Remaining salary percent = $[100 - (25 + 5 + 15 + 10)] = 100 - 55 = 45\%$

Let the total salary of Anish be x. Then,

According to the question,

$$45\% \text{ of } x = 22500$$

$$\Rightarrow x = \frac{22500}{45} \times 100 = \text{Rs. } 50000$$

Hence, option (D) is correct.

10. Let the total number of staff be 100.

$$\therefore \text{Female staff} = 40$$

$$\text{Male staff} = 100 - 40 = 60$$

$$\text{Votes cost by females} = \frac{40}{100} \times 40 = 16$$

$$\text{Votes cost by males} = \frac{60}{100} \times 60 = 36$$

$$\text{Votes cost by both (males + females)} = 16 + 36 = 52\%$$

Hence, option (D) is correct.



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