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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% increas B. 47% increas 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 house hold 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?

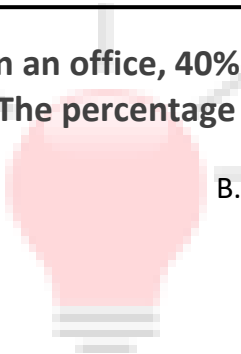
- A. 35% B. 45% C. 40% D. 30% E. None of these

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



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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

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

∴ 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

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

$$x = 4\% \text{ for September increment}$$

$$y = 4\% \text{ for October increment}$$

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% 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 Female staff = 40

Male staff = $100 - 40 = 60$

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

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

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

Hence, option (D) is correct.



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