1. $2.00 =$

    (i) 198.00% (ii) 201.00% (iii) 200.00% (iv) 199.00% (v) 202.00%

2. The population of a city is 30000. If the rate of decrease in population is 2.00% per annum, what is the popoulation after 5 year(s)?

    (i) 27108 (ii) 27098 (iii) 27128 (iv) 27138 (v) 27118

3. How much is 34.30% of 212?

    (i) 70.72 (ii) 73.72 (iii) 72.72 (iv) 74.72 (v) 71.72

4. If 'a' exceeds 'b' by x%, then 'b' is short of 'a' by

    (i) $[\dfrac{100 - x}{x} \times 100]\%$ (ii) $[\dfrac{x}{100 + x} \times 100]\%$ (iii) $[\dfrac{x}{100 - x} \times 100]\%$ (iv) $[\dfrac{100 + x}{x} \times 100]\%$

5. $7.00\% \, of \, 100.00 \times 10.00\% \, of \, 10.00 =$

    (i) 6.90 (ii) 7.10 (iii) 7.20 (iv) 7.00 (v) 6.80

6. The population of a city is 30000. If the rate of increase in population is 6.00% per annum, what is the population after 5 year(s)?

    (i) 40157 (ii) 40147 (iii) 40127 (iv) 40167 (v) 40137

7. If the price of a commodity decreases by 10.00%, the increase in consumption so as to match the expenditure is

    (i) 10.11% (ii) 13.11% (iii) 12.11% (iv) 9.11% (v) 11.11%

8. $50.00\% =$

    (i) 2.5 (ii) 1.5 (iii) 8.5 (iv) 0.5 (v) 7.5

9. The present value of a machine is ₹7000.00. Suppose it depreciates at the rate of 7.00% per annum, what is the value of the machine after 1 year(s)?

    (i) ₹6510.00 (ii) ₹6511.00 (iii) ₹6512.00 (iv) ₹6508.00 (v) ₹6509.00

10. The present value of a machine is ₹17000.00. Suppose it depreciates at the rate of 12.00% per annum, what was the value of the machine 3 year(s) ago?

    (i) ₹24946.00 (ii) ₹24947.00 (iii) ₹24945.00 (iv) ₹24944.00 (v) ₹24948.00

11. $0.70\% =$

    (i) $\dfrac{9}{1000}$ (ii) $\dfrac{7}{1000}$ (iii) $\dfrac{1}{200}$ (iv) $\dfrac{7}{998}$ (v) $\dfrac{7}{1002}$

12. The present value of a machine is ₹12000.00. Suppose it depreciates at the rate of 17.00% per annum, what is the value of the machine after 4 year(s)?

    (i) ₹5696.00 (ii) ₹5697.00 (iii) ₹5693.00 (iv) ₹5695.00 (v) ₹5694.00

13. 2.00% of $30.00 \div 8.00\%$ of $90.00 =$

   (i) 0.28   (ii) 0.18   (iii) -0.12   (iv) 0.08   (v) -0.02

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14. In a school of 500 students, 75 students are boys. The number of boys who failed the final exam is 65. The percentage of girls who failed is 48.24%. The number of girls who passed the exam =

   (i) 217   (ii) 219   (iii) 223   (iv) 221   (v) 220

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15. $62.00\% =$

   (i) 1.62   (ii) 7.62   (iii) 2.62   (iv) 0.62   (v) 8.62

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16. 2.00% of $20.00 \times 8.00\%$ of $50.00 \times 1.00\%$ of $40.00 =$

   (i) 0.64   (ii) 0.54   (iii) 0.44   (iv) 0.74   (v) 0.84

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17. If initial value is V, new value after r% increase is

   (i) $\dfrac{100+r}{r} \times V$ (ii) $\dfrac{100+r}{100} \times V$ (iii) $\dfrac{100-r}{100} \times V$ (iv) $\dfrac{100-r}{r} \times V$

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18. $600.00\% =$

   (i) 4   (ii) 5   (iii) 7   (iv) 8   (v) 6

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19. The cost of an article is ₹290.00. If it is increased by 50.00%, what is the new cost of the article?

   (i) ₹433.00   (ii) ₹437.00   (iii) ₹436.00   (iv) ₹435.00   (v) ₹434.00

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20. In a school of 900 students, 135 students are boys. The number of boys who failed the final exam is 35. The number of girls who failed is 365. The percentage of boys who failed the exam =

   (i) 27.93%   (ii) 23.93%   (iii) 24.93%   (iv) 26.93%   (v) 25.93%

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21. Let the present value of a machine be P. If it depreciates at the rate of r% per annum, the value of the machine n years ago is

   (i) $P\left[1 - \dfrac{100}{r}\right]^{n}$ (ii) $\dfrac{P}{\left[1 - \dfrac{100}{r}\right]^{n}}$ (iii) $\dfrac{P}{\left[1 - \dfrac{r}{100}\right]^{n}}$ (iv) $P\left[1 - \dfrac{r}{100}\right]^{n}$

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22. The present value of a machine is ₹8000.00. Suppose it depreciates at the rate of 8.00% per annum, what was the value of the machine 2 year(s) ago?

   (i) ₹9452.80   (ii) ₹9451.80   (iii) ₹9453.80   (iv) ₹9450.80   (v) ₹9449.80

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23. 45.00% of a number is 247.50. What is 31.00% of the number?

   (i) 171.5   (ii) 172.5   (iii) 169.5   (iv) 170.5   (v) 168.5

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24. $\dfrac{1}{5} =$

   (i) 19.00%   (ii) 21.00%   (iii) 22.00%   (iv) 18.00%   (v) 20.00%

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25. $70.00\% =$

   (i) $\dfrac{7}{10}$ (ii) $\dfrac{7}{8}$ (iii) $\dfrac{1}{2}$ (iv) $\dfrac{9}{10}$ (v) $\dfrac{7}{12}$

Assignment Key

1) (iii)	2) (v)	3) (iii)	4) (ii)	5) (iv)	6) (ii)
7) (v)	8) (iv)	9) (i)	10) (i)	11) (ii)	12) (iv)
13) (iv)	14) (v)	15) (iv)	16) (i)	17) (ii)	18) (v)
19) (iv)	20) (v)	21) (iii)	22) (ii)	23) (iv)	24) (v)
25) (i)					