

Ex - 35

$$\begin{aligned} 1. \quad & 5 - 0.005 - 0.05 + 0.5 \\ & = 4.995 - 0.05 + 0.5 \\ & = 4.945 + 0.5 \\ & = 5.445 \end{aligned}$$

$$\begin{aligned} 3. \quad & 17.5 + 25.5 \div 0.5 \\ & = 17.5 + 51 \\ & = 68.5 \end{aligned}$$

$$\begin{aligned} 5. \quad & 5 \text{ of } 17.5 \div 7 \\ & = 87.5 \div 7 \\ & = 12.5 \end{aligned}$$

$$\begin{aligned} 2. \quad & 35 - 7.892 + 0.005 - 10.345 \\ & = 27.108 + 0.005 - 10.345 \\ & = 27.113 - 10.345 \\ & = 16.768 \end{aligned}$$

$$\begin{aligned} 4. \quad & 5 + 62.5 \div 5 \\ & = ~~67.5~~ 5 + 12.5 \\ & = ~~12.5~~ 17.5 \end{aligned}$$

$$\begin{aligned} 6. \quad & 0.4 \times 0.01 \div 0.005 \\ & = 0.4 \times 2 \\ & = 0.8 \end{aligned}$$

$$7. 1.25 \times 4.2 \div 0.05$$

$$= 1.25 \times 84$$

$$= 105$$

$$8. 4.2 \text{ of } 2.5 \div 2.1 + 8 \times 1.25 \div 0.05$$

$$= 10.5 \div 2.1 + 8 \times 25$$

$$= 5 + 8 \times 25$$

$$= 5 + 200 = 205$$

$$9. (17.5 + 2.5) \div 5$$

$$= 20 \div 5$$

$$= 4$$

$$10. (27.9 - 18.6) \div 3.1$$

$$= 9.3 \div 3.1$$

$$= 3$$

$$11. (0.4 \times 0.4 - 0.3 \times 0.3) \div (0.4 \times 0.2 - 0.1 \times 0.1)$$

$$= (0.16 - 0.09) \div (0.08 - 0.01)$$

$$= 0.07 \div 0.07$$

$$= 1$$

$$12. 3 + \{ 5.2 - (0.025 \text{ of } 24 \div 0.3) \}$$

$$= 3 + \{ 5.2 - (0.6 \div 0.3) \}$$

$$= 3 + \{ 5.2 - 2 \}$$

$$= 3 + 3.2 = 6.2$$

$$13. 8 \times [0.5 + \{ 100.8 \div 2 \text{ of } 0.7 - (3.6 \div 12 \times 5) \}]$$

$$= 8 \times [0.5 + \{ 100.8 \div 2 \text{ of } 0.7 - (0.3 \times 5) \}]$$

$$= 8 \times [0.5 + \{ 100.8 \div 2 \text{ of } 0.7 - 1.5 \}]$$

$$= 8 \times [0.5 + \{ 100.8 \div 1.4 - 1.5 \}]$$

$$= 8 \times [0.5 + \{ 72 - 1.5 \}]$$

$$= 8 \times [0.5 + 70.5]$$

$$= 8 \times 71 = 568$$

$$14. \quad 18 \div \frac{1}{3} + 0.3 \times \frac{7}{2} - 5 + \frac{1}{2}$$

$$= 18 \times \frac{3}{1} + 0.3 \times \frac{7}{2} - 5 + \frac{1}{2}$$

$$= 54 + 1.05 - 5 + \frac{1}{2}$$

$$= 55.05 - \frac{10+1}{2}$$

$$= 55.05 - \frac{11}{2} = \frac{110.1 - 11}{2} = \frac{99.1}{2} = 49.55$$

$$15. \quad 3 \div 8 + 1.5 \times \frac{1}{3} - \left\{ \frac{1}{2} + (1 - 0.7) \right\}$$

$$= 3 \div 8 + 1.5 \times \frac{1}{3} - \left\{ \frac{1}{2} + 0.3 \right\}$$

$$= 3 \div 8 + 1.5 \times \frac{1}{3} - \left\{ \frac{1+0.6}{2} \right\}$$

$$= 3 \div 8 + 1.5 \times \frac{1}{3} - \frac{1.6}{2}$$

$$= 0.375 + 0.5 - 0.8$$

$$= 0.875 - 0.8 = 0.075$$