

Revision Test Paper-II

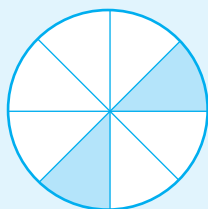
(Based on Chapters 6 to 9)

A. Multiple Choice Questions (MCQs).

(10)

Tick (✓) the correct options :

- The coefficient of x in $7x^2y^3z^4$ is
 (i) 7 (ii) 2 (iii) $7y^3z^4$ (iv) $7xy^3z^4$
- The value of the algebraic expression $5x^2y^3$ if $x = -2$ and $y = -3$ is
 (i) 90 (ii) -90 (iii) -540 (iv) 540
- $\frac{3}{5}$ of a number is 45. The number is
 (i) 135 (ii) 225 (iii) 45 (iv) 75
- If 5 subtracted from 3 times a number gives 28; the number is
 (i) 76 (ii) 11 (iii) 3 (iv) 13
- The mean proportion between 9 and 25 is
 (i) 112.5 (ii) 25 (iii) 15 (iv) 17
- If ₹1250 is divided between Ranjan and Dinesh in the ratio 3 : 2, then Ranjan's share is
 (i) ₹250 (ii) ₹500 (iii) ₹750 (iv) ₹1000
- A 10% reduction on the price of a suit is equal to 75. The original price of the suit is
 (i) ₹7500 (ii) ₹2075 (iii) ₹750 (iv) ₹705
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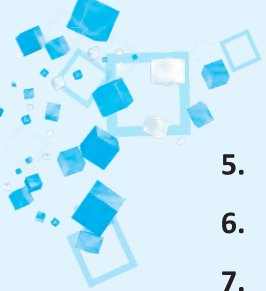
The percentage of unshaded portion is

- (i) 80 % (ii) 60 % (iii) 40 % (iv) 25 %
- When $SP = ₹725$ and $Loss = ₹75$, CP is
 (i) ₹800 (ii) ₹650 (iii) ₹575 (iv) ₹825
 - On selling her mobile for ₹5000, Preety makes a profit of 25%. The cost price of mobile is
 (i) ₹6000 (ii) ₹5500 (iii) ₹4500 (iv) ₹4000

B. Fill in the blanks of the following :

(10)

- An algebraic expression that contains three terms is called a _____.
- A letter used to represent a number is called _____.
- The value of a variable which satisfies the equation (for which $RHS = LHS$) is called the _____ of the equation.
- When a , b and c are in _____ proportion, then $b^2 = ac$.



5. The money repaid or given back, which includes the interest and principal is called the _____.
6. Each literal or constant quantity multiplied together to form a product is called _____.
7. The term of an algebraic expression containing no literal factor is called _____.
8. The denominator is also called _____.
9. _____ is a fraction with denominator 100.
10. The extra money to be paid after specific period of time is called the _____.

C. Write 'T' for true statement and 'F' for false statement :

(10)

1. A variable takes various numerical values in different situations.
2. $x + y$ should be added to $x^2 + 2x + 3y$ to get $x^2 + 3x + 2y$.
3. The value of 7^{2^3} is equal to $(7^2)^3$.
4. An equation in one variable is called a linear equation if the highest power of the variable is more than one.
5. Profit is calculated on CP and loss is calculated on SP.
6. $8m, 9n, 6x, -11y$ are like terms.
7. $(7x - 6y + 8z) - (10x - 9y - 3z) = -3x + 3y + 11z$
8. $\frac{x+1}{3} = 2$, then $x = 6$.
9. 3.8 is equal to 37.5%
10. 50% of 210 km is 105 km.

