Chapter-8

OBJECTIVE TYPE QUESTIONS

Mark the correct alternative in each of the following:

1. 5 more than twice a number x is written as
   (a) $5+x+2$ (b) $2x+5$ (c) $2x-5$ (d) $5x+2$
2. The quotient of x by 2 is added to 5 is written as
   (a) $\frac{x}{2}+5$ (b) $\frac{2}{x}+5$ (c) $\frac{x+2}{5}$ (d) $\frac{x}{2+5}$
3. The quotient of x by 3 is multiplied by y is written as
   (a) $\frac{x}{3y}$ (b) $\frac{3x}{y}$ (c) $\frac{3y}{x}$ (d) $\frac{xy}{3}$
4. 9 taken away from the sum of x and y is
   (a) $x+y-9$ (b) $9-(x+y)$ (c) $\frac{x+y}{9}$ (d) $\frac{9}{x+y}$
5. The quotient of x by y added to the product of x and y is written as
   (a) $\frac{x}{y}+xy$ (b) $\frac{y}{x}+xy$ (c) $\frac{xy+x}{y}$ (d) $\frac{xy+y}{x}$
6. $a^2b^3 \times 2ab^2$ is equal to
   (a) $2a^3b^4$ (b) $2a^3b^5$ (c) $2ab$ (d) a^3b^5
7. $4a^2b^3 \times 3ab^2 \times 5a^3b$ is equal to
   (a) $60a^3b^5$ (b) $60a^6b^5$ (c) $60a^6b^6$ (d) a^6b^6
8. If $2x^2y$ and $3xy^2$ denote the length and breadth of a rectangle, then its area is
   (a) $6xy$ (b) $6x^2y^2$ (c) $6x^3y^3$ (d) x^3y^3
9. In a room there are x^2 rows of chairs and each row contains $2x^2$ chairs. The total number of chairs in the room is
   (a) $2x^3$ (b) $2x^4$ (c) x^4 (d) $\frac{x^4}{2}$
10. $a^3 \times 2a^2b \times 3ab^5$ is equal to
    (a) $a^6\ b^6$ (b) $23a^6b^6$ (c) $6a^6b^6$ (d) None of these

ANSWERS

1. (b) 2. (a) 3. (d) 4. (a) 5. (a) 6. (b) 7. (c)
8. (c) 9. (b) 10. (c)

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