## CHAPTER - 9

## Algebraic Expressions

## Questions carrying 1 Mark each :-

Q. 1 Identify the terms of the following expression:
$22^{2} 2-222(222-18$
Q. 2 Multiply $-\frac{2}{2}$ p $2 \frac{2}{2} p q$

Questions carrying 2 marks each:-
Q. 3 Multiply 5 ab by (a) ab).
Q. 4 Add
Q. 5 Subtract
from $3 \ell\left(3 x^{8}(x y=2 y 2 x x\right.$ sin $4 x y x=x x y+4 y z$
Q. 6 Find the area of the rectangle whose length is $\left.\left(a^{a}\right) b\right)$ units and breadth is (0) $0^{2}$ )units.

Questions carrying 3 marks each:-
Q. 7 Simplify :-
$\left.\left.\left.\left.x^{2} 2\left(x^{2}\right) 2 x\right)\right) x 2(x) 2 x\right)\right) 2 x 2(x) 4 x$
Q. $8 \quad$ Multiply: $\quad \frac{-x}{-x} x-\frac{x}{x} y \prod_{--x}^{-x} x-\frac{x}{x} y \top$
Q. 9 Use suitable identity to find the product $(x x) 2 y(x x) 2 y)$.
Q. 10 Find the square of using suitable identity.
Q. 11 Using identity (2) a(2) b) ) $2^{2}(\mathrm{a}) \mathrm{b} 2$ ) ab, find the product $105 \times 107$.
Q. 12 Evaluate
Q. 13 Simplify (5a) 2 b) $)^{2}$ ) 35ab.
Q. 14 Without actual multiplication find the value of $(3)^{2}$.

Multiple choice Questions carrying 1 mark each:-
Q. 15 (2) 2) ${ }^{2}$ ) $\qquad$
(a) $0^{2}+0^{2}$
(b) $\quad(a) b(a) b$
(c) $+2 a b$
(d) none of these

(a) constants
(b) like terms
(c) unlike terms
(d) none of these.

