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#### **CHAPTER - 9**

### **Algebraic Expressions**

#### Questions carrying 1 Mark each :-

Q.1 Identify the terms of the following expression:

$$22^{2}2-222/22^{2}-18$$

Q.2 Multiply 
$$-\frac{2}{2}p \ 2 \ \frac{2}{2}pq$$

#### Questions carrying 2 marks each:-

- Q.3 Multiply 5 ab by (a ) ab).
- Q.4 Add
- Q.5 Subtract from  $3\ell(3\ 3\ 33\ell)\ 2n)$  4x yx= x x y+ 4yz
- Q.6 Find the area of the rectangle whose length is  $(a^a) b$  units and breadth is  $(0) 0^2$  units.

### Questions carrying 3 marks each:-

Q.7 Simplify:-

$$x^{2}2(x^{2})2x)x2(x)2x)2x(x)4x$$

- Q.8 Multiply:  $-\frac{x}{-x}x \frac{x}{x}y = \frac{x}{-x}x \frac{x}{x}y = \frac{x}{-x}$
- Q.9 Use suitable identity to find the product

$$(x x) 2y(x x) 2y$$
.

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- Q.10 Find the square of using suitable identity.
- Q.11 Using identity (2) a) (2) b)  $) 2^2$ ( a) (b) 2) ab, find the product  $105 \times 107$ .
- Q.12 Evaluate .
- Q.13 Simplify  $(5a) 2b)^2 35ab$ .
- Q.14 Without actual multiplication find the value of  $(3)^2$ .

## Multiple choice Questions carrying 1 mark each:-

- Q.15 (2) 2)<sup>2</sup>) \_\_\_\_\_\_
  - (a)  $0^2 + 0^2$ 
    - (b) (a) b(a) b
  - (c) +2ab
- (d) none of these
- Q.16 In algebraic expression  $2 x^2 (2 y^2 \frac{9x^2 + 0^3 x^2}{-2} \text{ yy} (\frac{7}{7}) \text{ yz} = 2 \text{ xy} 2 2 \text{ yy} \text{ are}$ 
  - (a) constants
- (b) like terms
- (c) unlike terms
- (d) none of these.