



# ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

ANSWER SHEET - 2

CLASS -VI



**SUBJECT – ALGEBRA-GEOMETRY CHAPTER 12 – EXPONENTS**  
TOPIC – Laws of Exponents

**F.M – 15**  
**DATE - 18.01.21**

Multiple choice questions : (Select the correct option)

1.  $a^m \times a^n = a^{\text{---}}$

a) **m + n** b) m - n c) mn d) none of these.

2. To raise a power to a power, keep the \_\_\_\_ and multiply the exponents.

a) cone b) cube **c) base** d)rectangle.

3.  $a^n \times b^n = (ab)^{\text{---}}$

a) **n** b) a c) b d) 1

4.  $a^m \div a^n = a^{\text{---}}$

a) m + n **b) m - n** c) mn d) none of these.

5.  $a^0 = \text{---}$

a) 0 b) 3 **c) 1** d) 2

6.  $-1^{53} = \text{---}$

a) 1 **b) -1** c) 0 d) 2

7.  $-1^{106} = \text{---}$

**a) 1** b) -1 c) 0 d) 2

8.  $2^2 \times 5^2 = \text{---}$

a) 1000 b) 10 c) 1 **d) 100**

9. Five cube to the power 2 is five to the power \_\_\_\_

a) 8 b) 9 **c) 6** d) none of these.

10.  $-8^0 = \text{---}$

a) 0 b) 3 **c) 1** d) 2

11. If  $a$  is any number and  $n$  is a natural number then  $a$  to the power  $n = a \times a \times a \times a \times a \dots$  multiplied \_\_\_\_ times.

a)  $a$    b) 1   c)  $n$    d) none of these.

12.  $8^6 \div 8^2 = \underline{\hspace{2cm}}$

a)  $8^5$    b)  $8^7$    c)  $8^3$    d)  **$8^4$**

13.  $-1^2 = \underline{\hspace{2cm}}$

a) 0   b) 3   c) **1**   d) 2

14.  $(\frac{3}{7})^0 = \underline{\hspace{2cm}}$

a) 0   b) 3   c) 2   d) **1**

15.  $15^0 = \underline{\hspace{2cm}}$

a) 0   b) 3   c) **1**   d) 2

By – U James Riju