

St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session: 2024-2025 - Worksheet

Class: VIII

Subject: Mathematics

Topic: Powers & Exponents

Worksheet-03

MULTIPLE CHOICE QUESTIONS:

Q1: The value of 2^{-2} is:

- A. 4
- B. $\frac{1}{4}$
- C. 2
- D. $\frac{1}{2}$

Q2: The multiplicative inverse of 7^{-2} is:

- A. 7^2
- B. 7
- C. $\frac{1}{7^2}$
- D. $\frac{1}{7}$

Q3: $2^2 \times 2^3 \times 2^4$ is equal to:

- A. 2^{24}
- B. 2^{-5}
- C. 2^9
- D. 2^{-9}

Q4: The value of $(3^4)^3$ is:

- A. 3
- B. 3^{12}
- C. 3^7
- D. None of the above

Q6: $100^0 + 20^0 + 5^0$ is equal to

- A. 125
- B. 25
- C. $\frac{1}{125}$
- D. 3

Q7: If $(-3)^{m+1} \times (-3)^5 = (-3)^7$, then the value of m is:

- A. 5
- B. 7
- C. 1
- D. 3

Q8: What is the value of $(2^2 + 3^2 + 4^2)^0$?

- A. 9
- B. 0
- C. 1
- D. 14

Q9: 1.8×10^{11} is equal to:

- A. 180000000000
- B. 18000000000
- C. 1800000000
- D. 1800000000000

Q10: 0.09×10^{10} is equal to:

- A. 900000000
- B. 9000000
- C. 9000
- D. 9