BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA

CLASS:-VII

SUBJECT :-MATHEMATICS (041)

Assignment

Ch-4 Exponents and Powers

Session -2023-24

MCQ

Q1. The value of $\dfrac{3^8}{3^3 \times 3^6}$ is

(a) 1

(b) 3

(c) 1/3

(d) -1

Q2. 3430000 in standard form is

(a) 3.43×10^6

(b) 3.43×10^4

(c) 3.43×10^2

(d) 3.43×10^0

Q3. The value of $(10000)^0$ is

(a) 10

(b) 100

(c) 100 X 100

(d) 1

Assertion -Reasoning

Q4. Assertion: $(-1)^3 = (-1)$

Reason: (-1) raised to any even power is (-1)

   a) Both Assertion and Reason are correct and reason is the correct explanation for assertion.
   b) Both Assertion and Reason are correct and reason is not the correct explanation for Assertion.
   c) Assertion is true but the reason is false.
   d) Both Assertion and reason are false.

Subjective Questions

Q5.Simplify: $\{(-1/2)^2\}^{-4}$

Q6.By what number should we multiply $(-6)^{-1}$ to obtain a product equal to 14^{-1} ?

Q7. Simplify using Laws of Exponents:

$\underline{(2^5)^2 \times 7^3}$

$8^3 \times 7$