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Marks: 20

STD: VII

TT - MATHS

Time: 30 min

I. Answer the following in one word:

5x1=5

1. Find the value of 3^4 .

2. Express $4 \times 4 \times b \times b$ in exponential form.

3. Express 125 in exponential form.

4. Is $2^0 = (-2)^0$?

5. Simplify: $(-6)^3$.

II. Answer the following:

5x3=15

6. Simplify: $\frac{5 \times 3^4 \times 5^2}{9}$ (Use laws of exponents)

7. Simplify and write the answer in exponential form: $[(2^3)^2 \div 2] \times 5^6$.

8. Express 250×32 as a product of prime factors only in exponential form.

9. Identify the greater number: 2^5 or 5^2 .

10. Simplify using laws of exponents: $[6^{10} \div 6^2] \times 6^5$.