Class -7th [MATHS] Exponent and Power

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Assignment

Date: __ / __ / ____ **Name: _____** **Max Marks: 13**

Section-A (One Marks Each)

1 Evaluate: a) $(-4)^6 - 5^3$ b) $(-6)^5 \div (-6)^2$

2 Find the value of x: a) $(-8)^x = 4096$ b) $(-4)^x = 1024$

Section-B (Two marks each)

3 Express the power notation:

a) –125 b) $-\frac{729}{64}$

4 Distinguish between the rational numbers $2^3/3$ and $(2/3)^3$. Which one is greater?

Section-C (Three marks each)

5 a) Find the value of $(-3/4)^3 \times (-3/4)^3$

b) Find the value of $(-2/5)^5 \div (-2/5)^5$

Section-D (Four marks each)

6 Simplify and express as exponent:

$$\frac{4^5 \times a^8 b^3}{4^5 \times a^5 b^2}$$

$$\left(-\frac{2}{3}\right)^4 \times \frac{216}{125} \div \left(\frac{6}{5}\right)^2 \times \frac{4}{9}$$

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