

**CLASS VII**  
**Test Paper**  
**Subject – Mathematics**

Time : 1 hour

Max. Marks: 30  
Obtained mark:

1. (i) Which is greater.  
(a)  $2^{10}$  or  $10^2$  (b)  $8.7 \times 10^{12}$  or  $9.5 \times 10^8$  (c)  $5^4$  or  $4^5$   
(ii) Write in exponential form.  
(a) 2401 (b) -3125 (c) 625/1296
2. Simplify.  
(a)  $(-10)^3 \times 2^4 \times 0 (-5)^7$  (b)  $(1/2)^3 \times (-3/5)^3 \times (-4/9)^2$  (c)  $[(5^2)^4 \times 5^5 \div 5]$
3. (i) Write in standard form  
(a) 7590087 (b) 6003000000 (c) 807012534  
(ii) Write in usual form  
(a)  $9.346 \times 10^{11}$  (b)  $5.9 \times 10^8$  (c)  $6.023 \times 10^{22}$
4. Find the value of x  
(a)  $49^{x-1} + 6 = 72^{x-1}$  (b)  $5^{2x+1} \div 25 = 5^3$  (c)  $27 \times 3^{x+2} = 243$
5. Simplify  
(a)  $\frac{7^5 \times 10^7 \times 25}{5^9 \times 14^5}$  (b)  $\frac{49 \times 7^2 \times t^6}{14^3 \times t^2}$  (c)  $(3/4)^3 \div (3/4) \times (-2/3) \times (-2/3)^2$

**All the best!**

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