



spardhaguru2022



Spardhaguru Current affairs



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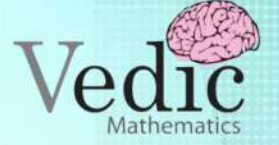
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1)  $(256)^{0.16} \times (256)^{0.09} = ?$

- a) 4    b) 16  
c) 64    d) 256.25

2) The value of  $[(10)^{150} \div (10)^{146}]$

- a) 1000    b) 10000  
c) 100000    d)  $10^6$

3)  $(25)^{7.5} \times (5)^{2.5} \div (125)^{1.5} = 5^?$

- a) 8.5    b) 13  
c) 16    d) 17.5

4)  $(0.04)^{-1.5} = ?$

- a) 25    b) 125  
c) 250    d) 625

5) If m and n are whole numbers such that  $m^n = 121$ ,  
the value of  $(m-1)^{n+1}$  is:

- a) 1    b) 10  
c) 121    d) 1000

6) The value of  $x^{1/2} \cdot y^{-1} \cdot z^{2/3}$ , when  $x = 9$ ,  $y = 3$ ,  
and  $z = 8$  is

- a) 18    b) 12  
c) 6    d) 4

7) If  $2^{x-1} + 2^{x+1} = 320$ , then x is equal to

- a) 6    b) 8  
c) 5    d) 7

8) If  $x = \sqrt{196} + \sqrt{200}$ , then  $x/2 + 2/x$  is?

- a) 14    b) 7  
c)  $2\sqrt{50}$     d)  $\sqrt{50}$

9) If  $x = \sqrt{8} - \sqrt{7}$ ,  $y = \sqrt{6} - \sqrt{5}$  and  $z = \sqrt{10} - 3$ , which  
of the following is true?

- a)  $x < z < y$     b)  $z < x < y$   
c)  $x < y < z$     d)  $z < y < x$

10) If  $x = \sqrt{3} - \sqrt{2}$ , then find  $(x - 1/x)^2$

- a) 2    b) 4  
c)  $2\sqrt{2}$     d) 8

