



spardhaguru2022



Spardhaguru Current affairs



Spardhaguru1



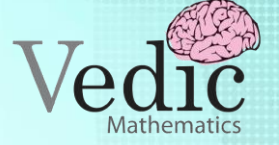
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1) The value of $9^5 \times 3^{-4} \times 27^3$ is

[MP Patwari 2017]

a) 3^{10}

b) 3^{15}

c) 3^9

d) 3^{11}

2) What is the value of $\sqrt{2^4} + \sqrt[3]{64} + \sqrt[4]{2^8} = ?$

[UPPSC Revenue Inspector 2017]

a) 12

b) 18

c) 16

d) 24

3) If $3^{x+2} = 243$, then what is the value of x?

[MP Patwari 2017]

a) 2

b) 3

c) 4

d) 5

4) What will come at the place of question mark (?) in $8^2 \times 8^2 = 2^? \times 2^6 \times 4$

[IBPS Clerk 2017]

a) 1

b) 3

c) 2

d) 5

e) 4

5) If $5^a = 3125$, then the value of 5^{a-3} .

[CGPSC 2019]

a) 625

b) 25

c) 5

d) 225

6) The value of $\frac{\left[\left(\frac{1}{3}\right)^{-3} - \left(\frac{1}{2}\right)^{-3}\right] \div \left(\frac{1}{4}\right)^{-3}}{(2^{-1} \times 5^{-1}) \div 4^{-1}}$

[RRB ALP 2018]

a) $\frac{38}{3}$

b) $\frac{38}{5}$

c) $\frac{95}{128}$

d) $\frac{19}{64}$

7) The greatest number among $\sqrt{5}, \sqrt[3]{4}, \sqrt[5]{2}, \sqrt[7]{3}$ is

[SSC CGL 2010]

a) $\sqrt[3]{4}$

b) $\sqrt[7]{3}$

c) $\sqrt{5}$

f) $\sqrt[5]{2}$

8) Find the value of $(2 + \sqrt{2}) + \left(\frac{1}{2+\sqrt{2}}\right) + \left(\frac{1}{2-\sqrt{2}}\right) + (2 - \sqrt{2})$

[SSC CGL 2018]

a) 2

b) 4

c) 8

d) 6

9) If $x = \sqrt{6 + \sqrt{6 + \sqrt{6 + \dots \infty}}}$, then find the value of x.

[UPPSC revenue Inspector 2017]

a) 4

b) 2

c) 6

d) 3

10) If $x = \sqrt{56 - \sqrt{56 - \sqrt{56} \dots \infty}}$, then find the value of x.

[RRB JE 2019]

a) 7

b) -8

c) -7, 8

d) -8, 7

11) Find the value of $\sqrt{7\sqrt{7\sqrt{7} \dots \infty}}$.

a) 8

b) $7^{\frac{1}{3}}$

c) 7

d) $8^{\frac{1}{3}}$

12) Find the value of $\sqrt{3\sqrt{3\sqrt{3\sqrt{3}}}}$.

a) $3^{\frac{15}{16}}$

b) 3

c) $3^{\frac{2}{17}}$

d) $3^{\frac{1}{16}}$

