



spardhaguru2022



Spardhaguru Current affairs



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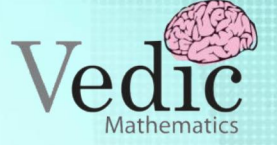
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1) What is the value of $4 \times [3 \div 4 \{4 \times 3 \div (3 \times 3)\}]$

- a) 3 b) 9
c) 12 **d) None of these**

2) $\frac{(4.53-3.07)^2}{(3.07-2.15)(2.15-4.53)} + \frac{(3.07-2.15)^2}{(2.15-4.53)(4.53-3.07)} + \frac{(2.15-4.53)^2}{(4.53-3.07)(3.07-2.15)}$ is

[SSC PO 2004]

- a) 0 b) 1
c) 2 **d) 3**

3) Find the approximate value

$24.0002 \times 14.005 - 7.895 \times 5.972 = ?$

- a) 290** b) 270
c) 206 d) 300

4) $32^3 + 79^3 - 111^3 + 3 \times 32 \times 79 \times 111$ is equal to

- a) 10000 **b) 0**
c) 30007 d) 1

5) What is the value of $\frac{9}{20} - \left[\frac{1}{5} + \left\{ \frac{1}{4} + \left(\frac{5}{6} - \frac{1}{3} + \frac{1}{2} \right) \right\} \right]$

[AFCAT 2018]

- a) 5 **b) 0**
c) 4 d) 1

6) Find the approximate value

$12.95 \times 7.05 \times 1.98 + (85.002)^2 \times 10.99 = ?$

- a) 79629** b) 78348
c) 73430 d) 68394

7) Find the approximate value $(22.99 + 17.01) \div 1.998 \times 3.997 - 41.998 + 644.199 = ?$

- a) 798 b) 542
c) 682 d) 745





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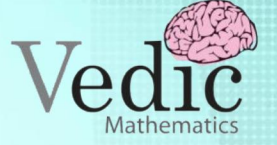
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8) Find the approximate value $\frac{1}{15.98} \times 1295.78 + 21.98^3 \div 10.99^3 + 24.79^2 = ?$

a) 625

b) 716

c) 827

d) 798

9) What is the value of $\frac{(798+579)^2 - (798-579)^2}{798 \times 579}$?

[AFCAT 2018]

a) 2

b) 6

c) 4

d) 8

10) What is the value of $\frac{[(1.7)^3 - (1.2)^3]}{[(1.7)^2 + (1.7 \times 1.2) + (1.2)^2]}$

[SSC MTS 2016]

a) 0.5

b) 2.9

c) 1.9

d) 0.7

11) Simplify $2\frac{3}{4} \times \{4 + (16 - 9 \div 3 \times \sqrt{576})\} + \sqrt{324}$

a) 887

b) 624

c) 913

d) None of these

12) $\frac{0.0347 \times 0.0347 \times 0.0347 + (0.9653)^3}{0.0347^2 - (0.0347)(0.9653) + 0.9653^2}$ is equal to

[SSC CGL 2011]

a) 0.9306

b) 1.0009

c) 1.0050

d) 1

13) If $I = \frac{3}{4} \div \frac{5}{6}$

II = $3 \div [4 \div 5] \div 6$

III = $[3 \div (4 \div 5)] \div 6$ and

IV = $3 + 4 (5 \div 6)$, then

[SSC CPO 2013]





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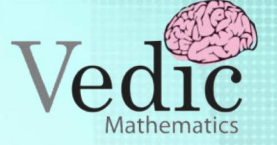
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a) I and II are equal

b) I and IV are equal

c) I and III are equal

d) All are equal

14) What is the value of $\frac{(3.2 \times 3.2) + (2.7 \times 2.7) + (3.2 \times 2.7)}{(3.2 \times 3.2 \times 3.2) - (2.7 \times 2.7 \times 2.7)}$

[Delhi Police Constable 2016]

a) 1

b) $\frac{1}{2}$

c) 2

d) $\frac{3}{2}$

15) Which of the following statements is / are true?

I. $484 \text{ of } \frac{3}{4} - 420 \div 21 = 73$

II. $14 \frac{3}{4} - 12 \frac{1}{6} \times 3 \frac{1}{8} \div 6 \frac{3}{12} - 3 \frac{1}{2} = 4 \frac{19}{24}$

a) Only I

b) Only II

c) Neither I nor II

d) Both I and II

16) If $x = \sqrt{3} + \sqrt{2}$ and $y = \sqrt{3} - \sqrt{2}$, then the value of $8xy (x^2 + y^2)$ is

[SSC (10 + 2) 2018]

a) $16\sqrt{6}$

b) 32

c) $48\sqrt{2}$

d) 80

17) $\frac{\frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} + \frac{1}{4} \cdot \frac{1}{4} \cdot \frac{1}{4} - 3 \cdot \frac{1}{3} \cdot \frac{1}{4} \cdot \frac{1}{5} + \frac{1}{5} \cdot \frac{1}{5} \cdot \frac{1}{5}}{\frac{1}{3} \cdot \frac{1}{3} + \frac{1}{4} \cdot \frac{1}{4} + \frac{1}{5} \cdot \frac{1}{5} - \left[\frac{1}{3} \cdot \frac{1}{4} + \frac{1}{4} \cdot \frac{1}{5} + \frac{1}{3} \cdot \frac{1}{5} \right]}$

[SSC 2004]

a) $\frac{2}{3}$

b) $\frac{3}{4}$

c) $\frac{47}{60}$

d) $\frac{49}{60}$

