Quant Quiz For SSC CGL [Beginner LeveL] : 10th November

Q1. Find the Value of $\frac{(10.0312-0.0012)\ of\ 0.18+0.125\times0.4}{0.04\times0.01}$

(a) 139.5
(b) 137.5
(c) 135.5
(d) 138.5

Q2. What smallest number should be subtracted from the sum of squares of 25 and 24, so that the resulting number is a perfect square ?

(a) 45
(b) 55
(c) 65
(d) 95

Q3. The sum of 2 digit number is 16. If the digits are inter changed then the number increase by 18. Find the Numbers?

(a) 79
(b) 97
(c) 88
(d) None of these

Q4. Simplify:- $\sqrt{128}+\sqrt{192}+\sqrt{75}-\sqrt{147}-\sqrt{18}$

(a) $3(7\sqrt{2}-\sqrt{3})$
(b) $4(7\sqrt{3}-\sqrt{2})$
(c) $2(7\sqrt{2}-\sqrt{3})$
(d) None of these

Q5. If $\frac{1}{6}th$ **of wall is painted blue,** $\frac{1}{3}rd$ **is painted yellow and remaining 9 m is painted white, what is the length of the wall ?**

(a) 9m
(b) 16m
(c) 18m
(d) 20m

Q6. Find the product of cube root of 12167 and square of 27 ?
(a) 16797
(b) 15787
(c) 16767
(d) None

Q7. The product of two Numbers is 20826 and their H.C.F is 26.Find their L.C.M ?
(a) 801
(b) 714
(c) 707
(d) 710

Q8. The Sum of three consecutive even numbers is 42. Find the middle number ?
(a) 12
(b) 18
(c) 16
(d) 14

Q9. You have 20 big and 16 small Diaries and want to make gift packs containing both in each pack. What is the maximum number of gift packs you can make without any left over?
(a) 5
(b) 4
(c) 3
(d) 2

Q10. The Smallest of the fractions among $\frac{5}{8}, \frac{3}{4}, \frac{13}{16}, \frac{7}{12}$ is ?
(a) $\frac{5}{8}$
(b) $\frac{3}{4}$
(c) $\frac{13}{16}$
(d) $\frac{7}{12}$

Q11. $2\frac{1}{2} \times 3\frac{1}{2} + 4\frac{1}{4} - 5\frac{1}{5} = ?$
(a) 5.2
(b) 7.8
(c) 8.4
(d) None of these

Q12. $\sqrt[3]{4913} \times \sqrt[3]{15625} \div \sqrt[3]{\frac{3375}{5832}}$
(a) 610
(b) 510
(c) 410
(d) None of these

Q13. (0.03 × 0.04) + (0.003 × 0.05) + (0.2 × 0.06) – (0.003 × 0.08)
(a) 0.013
(b) 0.432
(c) 0.015
(d) 0.021

Q14. $\left(\frac{1}{0.2}\right)^2 + \left(\frac{1}{0.04}\right)^2 + \left(\frac{1}{0.005}\right)^2 + \left(\frac{1}{0.0008}\right)^2$
(a) 1603150
(b) 1625101
(c) 1532401
(d) 1987631

Q15. $14\frac{3}{4} + 5\frac{1}{4} - 2\frac{1}{2} - 11\frac{1}{8} + 12\frac{3}{8} - 7\frac{1}{4}$
(a) $11\frac{1}{2}$
(b) $21\frac{1}{2}$
(c) $23\frac{1}{2}$
(d) $13\frac{1}{4}$

Q16. $(3 + \sqrt{3}) + \frac{1}{3+\sqrt{3}} + \frac{1}{3-\sqrt{3}} + 3 - \sqrt{3}$
(a) 8
(b) 7
(c) 9
(d) 10

Q17. $(2016)^2 - 2017 \times 2015 + 2018 \times 2014 - 2019 \times 2013$?
(a) 6
(b) 7
(c) 8
(d) 9

Q18. 0.0625 % of 125% of $12\frac{1}{2}$ **of 512 ?**
(a) 11
(b) 12
(c) 10
(d) 5

Q19. $\sqrt{4724 + \sqrt{1336 + \sqrt{1061 + \sqrt{772 + \sqrt{144}}}}}$
(a) 68
(b) 69
(c) 65
(d) 64

Q20. $(2^{65} + 2^{65})\ (4^{65} + 4^{65} + 4^{65} + 4^{65}) = 8^{x}$ **Find the value of** x **?**

(a) 66

(b) 67

(c) 68

(d) 69

Q21. The greatest of the numbers $\sqrt[2]{8}, \sqrt[4]{13}, \sqrt[5]{16}, \sqrt[10]{41}$ **is?**

(a) $\sqrt[4]{13}$

(b) $\sqrt[5]{16}$

(c) $\sqrt[10]{41}$

(d) $\sqrt[2]{8}$

Q22. If $2^x = 3^y = 6^{-z}$ **then** $\left(\frac{1}{x} + \frac{1}{y} + \frac{1}{z}\right)$ **is equal to?**

(a) 0

(b) 1

(c) $\frac{3}{2}$

(d) $-\frac{1}{2}$

Q23. $2\sqrt[3]{40} - 4\sqrt[3]{320} + 3\sqrt[3]{625} - 3\sqrt[3]{5}$ **is equal to?**

(a) $-2\sqrt[3]{340}$

(b) 0

(c) $\sqrt[3]{340}$

(d) $\sqrt[3]{660}$

Q24. The value of $\sqrt{40 + \sqrt{9\sqrt{81}}}$ **is?**

(a) $\sqrt{111}$

(b) 9

(c) 7

(d) 11

Q25. If $\frac{(x-\sqrt{24})(\sqrt{75}+\sqrt{50})}{\sqrt{75}-\sqrt{50}} = 1$**, then the value of x is?**

(a) $\sqrt{5}$

(b) 5

(c) $2\sqrt{5}$

(d) $3\sqrt{5}$

Q26. Evaluate $\sqrt{20}+\sqrt{12}+\sqrt[3]{729}-\frac{4}{\sqrt{5}-\sqrt{3}}-\sqrt{81}$?

(a) $\sqrt{2}$

(b) $\sqrt{3}$

(c) 0

(d) $2\sqrt{5}$

Q27. The value of $\sqrt{2\sqrt[3]{4\sqrt{2\sqrt[3]{4}}\ldots\ldots\ldots}}$ is ?

(a) 2

(b) 2^2

(c) 2^3

(d) 2^5

Q28. The smallest among the numbers 2^{250}, 3^{150}, 5^{100} and 4^{200} ?

(a) 4^{200}

(b) 5^{100}

(c) 3^{150}

(d) 2^{250}

Q29. $2+\frac{6}{\sqrt{3}}+\frac{1}{2+\sqrt{3}}+\frac{1}{\sqrt{3}-2}$ equals to?

(a) $+(2\sqrt{3})$

(b) $-(2+\sqrt{3})$

(c) 1

(d) 2

Q30. The value of $\frac{(243)^{\frac{n}{5}}\times 3^{2n+1}}{9^n\times 3^{n-1}}$ is?

(a) 3

(b) 9

(c) 6

(d) 12