

CSS General Abilities Topic 1 Basic Arithmetic

Sr	Questions	Answers Choice
1	The average monthly salary of a staff of 9 persons is Rs. 2450. One number of the staff whose monthly salary is Rs. 2650 is transferred. Find the average salary of the remaining 8 persons of the staff.	A. Rs. 2425 B. Rs. 2625 C. Rs. 3025 D. Rs. 2825
2	The sun produce most of its energy by	A. Nuclear fusion which involves converting "H" to "He" B. Nuclear fission involving the burning of uranium and palladium C. None of these D. Nuclear fission involving the combining of uranium and palladium
3	Which one of the following is a non-metallic mineral?	A. Manganese B. Magnesium C. Gypsum D. Bauxite
4	For a rectangle, the length and breadth are increased by 10% and 20%, respectively. The percentage increase in area is	A. 24% B. 48% C. 32% D. None of these
5	Let A be the set of primes less than 6, and B be the set of positive odd numbers less then 6. How many different sums of the form a + b are possible, if a is in A and b is in B?	A. 6 B. 7 C. 8 D. 9 E. 10
6	$5463 + 546.3 - 54.63 + ? = 5999.3$	A. .05463 B. .5463 C. 5.463 D. None of these
7	Two alloys contain zinc and copper in the ratio of 2 : 1 and 4 : 1. In what ratio the two alloys should be added together to get as a new alloy having zinc and copper in the ratio of 3 : 1 ?	A. 7 : 5 B. 5 : 7 C. 3 : 5 D. None of these
8	Which of the following minerals is most resistant to chemical weathering?	A. Olivine B. Quartz C. Hornblende D. Potassium feldspar
9	What is the L.C.M. of 25,30,35 and 40 ?	A. 3800 B. 4200 C. 4400 D. None of these
10	Plants can be made disease resistant by:	A. Heat treatment B. Hormone treatment C. Colchicines treatment D. all of these
11	The diameter of a certain rod is required to be 1.5610 ± 0.015 in. The rod's diameter must be between ----- and -----	A. 1.49 and 1.50 in B. 1.52 and 1.49 in C. 1.53 and 1.52 in D. 1.55 and 1.52 in
12	$\frac{5}{8}$ of 24 is equal to $\frac{15}{7}$ of what ?	A. 15 B. 8 C. $\frac{7}{22}$ D. 7
13	Find the square root of 64 92304.	A. 2384 B. 2484 C. 2548 D. 2684
14	$7372 \times 7372 + 7372 \times 628 = ?$	A. 58976000 B. 58967000 C. 5897600 D. None of these

- 15 Find the greatest number that will divide 964, 1238 and 1400 leaving remainders 41, 31 and 51, respectively.
- A. 71
B. 81
C. 61
D. 73
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- 16 If $10^{2Y} = 25$ then what is the value of 10^Y ?
- A. -5
B. 5
C. $1/25$
D. $\sqrt{1/25}$
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- 17 The H.C.F. and L.C.M. of two numbers are 50 and 250, respectively. If the first number is divided by 2, the quotient is 50. The second number is:
- A. 50
B. 100
C. 125
D. 250
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- 18 Find the greatest number of four digits which when divided by 10, 15, 21 and 28 leaves 4, 9, 15 and 22 as remainders, respectively.
- A. 9654
B. 9666
C. 9664
D. 9864
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- 19 Catalyst used to convert oil into ghee
- A. Nickel
B. Aluminium isopropoxide
C. Phosphonium borate
D. None of these
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- 20 Which of the following is not a part of Darwinism?
- A. Over production
B. Natural selection
C. Inheritance for acquired characters
D. Competition for survival