

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If $\cos (2 \sin^{-1} x) = 1/9$, then what is the value of x?	A. $1/3$ B. $-2/3$ C. $2/3$ D. $2/3$, $-2/3$
2	The cube roots of 8 are	
3	In following question, a number series is given with one term missing. choose the correct alternative that will same pattern and fill in the blank spaces. 1 , 4, 9, 16, 25, x	A. 35 B. 36 C. 48 D. 49
4	If A and B are two sets then any subset R of $A \times B$ is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
5	The last term of $(1+2x)^{-2}$	A. $(-1)^{-2} (2x)^{-2}$ B. $(-1)^{-4} (-2x)^{-2}$ C. $(-1)^{-3} (2x)^{-3}$ D. Does not exist
6	6 is	A. A prime integer B. An irrational number C. A rational number D. An odd integer
7	Question Image	
8	Question Image	
9	Question Image	
10	Question Image	
11	Question Image	
12	Union of the sets of rational and irrational numbers is called 6th set of	A. Natural numbers B. Real numbers C. Whole numbers D. Prime numbers
13	The point of concurrency of the medians of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid
14	The sets {1, 2, 4} and {4, 6, 8, 10} are	A. Equal sets B. Equivalent sets C. Disjoint sets D. Over lapping sets
15	The probability to get an odd number in a dice thrown once is	A. $1/2$ B. $1/6$ C. $1/3$ D. 2
16	$\tan 2\theta =$	
17	Which of the following has the same value as i^{113} ?	A. i B. -1 C. -i D. 1
18	The number of tangents to the circle $x^2 + y^2 - 8x - 6y + 9 = 0$ which pass through the point (3, -2) is	A. 2 B. 1 C. 0 D. None of these
19	Question Image	A. $p \< r$ B. $p \> r$ C. $p + r \< 0$ D. $p + r \> 0$

D. p - r ⁢ U

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Cos 0° = _____

A. -1

B. 0

C. 1

D. Undefined