

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 2 x 2 B. 2 x 3 C. 3 x 2 D. 3 x 3
2	The value of $\sin^{-1} 24/25$ is equal to	A. $\csc^{-1} 25/24$ B. $\sec^{-1} 24/25$ C. $2 \tan^{-1} 4/5$ D. $2 \cos^{-1} 24/25$
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
5	The maximum value of $\sin \theta \cos \theta$ is	A. 1 B. 1/2 C. 1/4 D. 1/6
6	The area between the x-axis and the curve $y = x^2 + 1$ from $x = 1$ to 2 is:	A. 15/6 B. 15/4 C. 10/4 D. 10/3
7	A kite flying at a height of 67.2 m is attached to a fully stretched string inclined at an angle of 53 to the horizontal, the length of the string	A. 62m B. 82m C. 73m D. 57m
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
9	The identity element with respect to subtraction is	A. 0 B. 1 C. -1 D. Does not exist
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	The mid point of the line segment joining the points A(-8,3) and B(2,-1) is	A. (-3,1) B. (-6,2) C. (5,2) D. (-5,2)
12	The square root of $2i - 20i$ is	A. $+(5 - 2i)$ B. $+(5 + 2i)$ C. $(5 - 2i)$ D. None of these
13	Area of the circle with ends of a diameter at (-3,2) and (5,-6)	A. 128π sq. units B. 64π sq. units C. 32π sq. units D. None of these
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
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	The A.M. of two numbers is 34 and G.M. is 16, the numbers are	A. 2 and 64 B. 64 and 3 C. 64 and 4 D. None of these
17	If $4 - x > 5$, then	A. $x > 1$ B. $x > -1$ C. $x < 1$ D. $x < -1$
18	The positive integer just greater than $(1+0.0001)^{10000}$ is	A. 4 B. 5 C. 2 D. 3

D. 3

19

Question Image

A. 360°

B. 180°

C. 90°

D. None of these

20

Question Image

C. 0

D. 1