

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If the angle of a triangle are in the ratio 2 : 3 : 7, the triangle is	A. Obtuse B. Acute C. Right angle D. Isosceles
2	Question Image	
3	Question Image	A. One-to-one and onto B. One-to-one but not on to C. Onto but not one-to-one D. Neither one-to-one nor onto
4	1 degree = _____	A. 0.00175 rad B. 0.175 rad C. 0.0175 rad D. 1.75 rad
5	π is the period of the function	A. $ \sin x + \sin x $ B. $\sin^4 x + \cos x$ C. $\sin(\sin x) + \sin(\cos x)$ D. None of these
6	The measure of the acute angle between the lines represented by $x^2 - xy - 6y^2 = 0$ is	A. 120° B. 30° C. 130° D. 45°
7	If n is any positive integer then $4^n > 3^n + 4$ is true for all	
8	The interval in which $f(x) = x^3 - 6x^2 + 9x$ is increasing	A. $1 < x < 3$ B. $x < 1$ and $x > 3$ C. $x \geq 1$ and $x \leq 3$ D. $-\infty < x < \infty$
9	Question Image	
10	Question Image	A. 3×1 B. 1×3 C. 3×3 D. 1×1
11	Question Image	
12	Question Image	
13	Question Image	
14	$\cos(\cos 4\pi/3) =$	A. $\pi/2$ B. $\pi/3$ C. $2\pi/3$ D. $-\pi/3$
15	Question Image	D. none of these
16	In one hour, the hour hand of a clock turns through	
17	The numbers of $G_1, G_2, G_3, \dots, G_n$ are called n geometric means between a and b is a, $G_1, G_2, G_3, \dots, G_n, b$ are in	A. H.P. B. A.P. C. G.P. D. None of these
18	The constant distance of all points of the circle from its centre is called the	A. Radius of the circle B. Secant of the circle C. Chord of the circle D. Diameter of the circle
19	The two different parts of the hyperbola are called its	A. Vertices B. Directrices C. Nappes D. Branches
20	The probability that a slip of numbers divisible by 4 is picked from the slips of number 1, 2, 3, 4, ..., 10 is	A. $1/5$ B. $2/5$ C. $1/10$

1,2,3,4,..... 10 is

C. 1/10
D. 3/10