

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The domain of $y = \cos^{-1} x$ is	A. $-\infty < x < \infty$ B. $-1 \leq x \leq 1$ C. $x \leq -1$ or $x \geq 1$ D. None of these
2	Question Image	
3	$2x^3 + 3x + 9$ is a _____	A. Polynomial of degree 3 B. Quadratic equation C. Cubic equation D. Polynomial of degree 2
4	Question Image	
5	Question Image	
6	Question Image	A. a B. 2a C. 3a D. 4a
7	Question Image	A. 30° B. 45° C. 60° D. 90°
8	Question Image	
9	Question Image	
10	If distance of (a,b) from origin is 5 then	A. $a^2 + b^2 = 5$ B. $a = 5$ C. $b = 5$
11	The angle of depression of a point situated at a distance of 70 meters from the base of a tower is 45° . The height of the tower is	A. 70 m B. 85 m C. 35 m D. None of these
12	Question Image	A. 0 B. 1 C. -1 D. None of these
13	Question Image	A. $\cos x$ B. $-\sin x$ C. $-\cos x$ D. $\tan x$
14	$\cos^2 x + \sin^2 x$	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
15	Question Image	A. 0 B. 1 C. 2 D. 4
16	If $2x + y + \lambda = 0$ is normal to parabola $y^2 = -8x, \lambda =$ _____	A. 12 B. 8 C. 24 D. -24
17	The decimal fraction in which we have finite number of digits in its decimal part is called.	A. recurring decimal fraction B. Non terminating fraction C. Non recurring fraction D. terminating decimal fraction
18	a chord passing through the focus of a parabola is called a:	A. Focal chord B. Latus rectum C. Tangent D. None of these

D. Directrix

19 If $f(x) = x^2 - x$ then $f(0)$ is

- A. 0
- B. 1
- C. 2
- D. 3

20 202.04 is an example of

- A. Recurring decimals
- B. Non-recurring decimals
- C. Terminating decimals
- D. None of these