

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Every identity matrix is	A. Row-vector B. Scalar C. Column-vector D. All
2	π is the ration of	A. Area of a circle to its diameter B. Area of a circle to its radius C. Circumference of a circle to its diameter D. Circumference of circle to its radius
3	Equation of parabola with focus F(-3,1) directrix x=3 is	A. $(y - 1)^2 = -12x$ B. $(y-1)^2 = 4x$ C. $(x+3)^2 = 4a(y-1)$ D. $y^2 = -12(x-1)$
4	The fixed point from which all the points of a circle are equidistant is called the	A. chord of the circle B. centre of the circle C. diameter of the circle D. radius of the circle
5	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. (x, y) B. (kx, y) C. (x, ky) D. (kx, ky)
6	Range of $2 \tan x$ is _____	A. [-2, 2] B. $-1 < x < 1$ C. R D. None of these
7	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
8	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. $a^{2+1} + a^{2+2}$ B. $a^{2+2+1} + a^{2+2+2}$ C. $a^{2+2+1} + a^{2+2+2}$ D. $a^{2+2+1} + a^{2+2+2}$
9	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
10	In the expansion of $(a + x)^n$ the general term T_{r+1} is	
11	Which is in the solution set of $4x - 3y < 2$	A. (3, 0) B. (4, 1) C. (1, 3) D. None
12	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
13	If c is a constant number and if f is the function defined by the equation $f(x) = c$ for all values of x, then f is differentiable at every x and f is defined by the equation $f(x)$	A. f B. 1 C. C D. 0
14	The value of $\sin 28^\circ \cos 17^\circ + \cos 28^\circ \sin 17^\circ$ is	
15	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 1 B. -1 C. 0 D. i
16	Domain of $\operatorname{cosec} \theta$ is	
17	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 3/8 B. 7/8 C. 1/8 D. None
18	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
19	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 1.5 B. 1.2

20 Two sets A and B are said to be disjoint if
