

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	π is _____	A. A complex number B. A rational number C. A natural number D. An irrational number
3	Question Image	
4	Question Image	A. 1 B. 2 C. 3 D. None of these
5	Question Image	
6	Question Image	A. 0 B. 1 C. 2
7	The quadratic equation $8 \sec^2\theta - 6 \sec\theta + 1 = 0$ has	A. Infinitely many roots B. Exactly two roots C. Exactly four roots D. No roots
8	Question Image	D. None of these
9	Question Image	C. 0 D. 1
10	The position vector of a point (x, y) in xy plane is	D. none of these
11	If $Z_1 = 1 + i$, $Z_2 = 2 + 3i$, then $ Z_1 - Z_2 = ?$	A. $\sqrt{5}$ B. $\sqrt{7}$ C. $-1 - 2i$ D. $\sqrt{3}$
12	The angle between the vectors $3i + j - k$ and $2i - j + k$ is	
13	Question Image	
14	Total number of subsets that can be formed out of the set {a,b,c} is	A. 1 B. 4 C. 8 D. 12
15	Question Image	B. $\sin 2x + c$ C. $-\sin 2x + c$
16	Question Image	
17	If the circle $x^2 + y^2 + 2gx + 2fy + c = 0$ passes through the origin then	A. $c = 0$ B. $c = -1$ C. $c = -2$ D. $c = 1$
18	When the angle between the ground and the sun is 30° , flag pole casts a shadow of 40 m long. the height of the top of the flag is	A. 25m B. 23m C. 12m D. 29m
19	A circle drawn inside a triangle and touching its sides is called _____;	A. Circumcircle B. Incircle C. Escribed circle D. unit circle
20	An infinite sequence has no	A. nth term B. Last term C. Sum D. None of these