

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	If $n(A) = n$ then $n(P(A))$ is	A. $2n$ B. $n^{²}$ C. $n/2$ D. $2^{ⁿ}$
3	Question Image	D. none of these
4	Question Image	D. none of these
5	Associative law of multiplication	A. $ab - ba$ B. $a(bc) = (ab) c$ C. $a(b + c) = ab + ac$ D. $(a + b)c = ac + bc$
6	The solution set of the inequality $ax + by < c$ is	A. straight line B. half plane C. parabola D. none of these
7	Question Image	
8	An unbiased die is thrown. Then the probability of getting a prime is	A. $1/2$ B. $2/3$ C. $3/4$ D. None of these
9	If $Z_1 = 1 + i$, $Z_2 = 2 + 3i$, then $ Z_1 - Z_2 = ?$	
10	Question Image	A. 9 B. -9 C. 0 D. 1
11	In one hour, the hour hand of a clock turns through	
12	Question Image	
13	The parabola $y^2 = 4ax$ open up if	A. $a < 0$ B. $a \neq 0$ C. $a > 0$ D. All are incorrect
14	The middle term of $[1/x - x]^{10}$ is	A. -152 B. -252 C. 371 D. -421
15	If a, b, c are unit vectors then $ a + b ^2 + a - b ^2$	A. 4 B. $8ab$ C. $9\cos$ D. $4(a, b)$
16	The equation $(\cos p - 1)x^2 + x(\cos p) + \sin p = 0$ in the variable x , has real roots, then p can take any value in the interval	A. $(0, 2\pi)$ B. $(-\pi, \pi)$ C. $(0, \pi)$ D. None of these

17	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
18	Question Image <input type="text"/>	A. Orthogonal B. Involutary C. Idempotent D. Nilpotent
19	Question Image <input type="text"/>	
20	The eccentricity of the parabola $y^2 = -8x$ is	A. -2 B. 2 C. -1 D. 1