

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$\sin{(2\pi - \theta)}$	A. cos <i style="text-align: center;">θ</i> B. sin <i style="text-align: center;">θ</i> C. tan <i style="text-align: center;">θ</i> Dsin <i style="text-align: center;">θ</i> center;">θ
2	The equation of the circle with centre (h, k) and radius r is	A. (x+h) ² + (y+k) ² = r ² B. (x+h) ² + (y - k) ² = r ² C. (x - h) ² + (y+k) ² = r ² D. (x - h) ² + (y - k) ² = r ² + (y - k) ² = r ² + (y - k) ² = r ²
3	w ¹² =	A. 0 B. 1 C. w D. w ²
4	We solve the system of non-homogeneous linear equations by	A. a and b B. b and c C. c and a D. a,b and c
5	No term of a geometric sequence can be	A. 0 B. 1 C. 2 D. 3
6	If ∀a,bεR,then a +bε R is a property	A. Closure law of addition B. Associative law of addition C. Additive inverse D. Additive identity
7	If a, b, c are in AP., a, b, c are in G.P. then A, m ² b, c are in	A. A.P. B. G.P. C. H.P. D. None of these
8	Question Image	
9	Three numbers are chosen random without replacement from {1, 2, 3,, 10}. the probability that minimum of the chosen numbering is 3 or their maximum is 7	A. 7 / 40 B. 5 / 40 C. 11 / 40 D. None of these
10	If $f(x) = (-x)^2$ then $f(-2)$ is	A. 0 B. 2 C4 D. 4
11	Given X,Y are any two sets such that number of elements in set $X = 28$, number of elements in set $Y = 28$, and number of elements in set $X \cup Y = 54$, then number of elements in set $X \cap Y = 54$.	A. 4 B. 3 C. 2 D. 1
12	The range of function f(x)=-x2+2x-1 is	A. R B. (-∞,0] C. (-∞,1] D. [0,∞)
13	How many arrangements of the letter of the word PAKPATTAN can be made	
14	The set of integer is	A. Finite group B. A group w.r.t addition C. A group w.r.t multiplication D. Not a group
15	For≥ -2 , 1+3+5++(2n+5)	A. (n+2) ² B. (n-2) ² C. 2n+1

		D. (n+3) ²
	Question Image	
•	x = is in the solution of $2x + 3 < 0$	A. 0 B. 2 C1 D2
3	Two circles are said to be concentric if they have	A. same radius B. same chord C. same centre D. same diameter
	The additive inverse of a matrix A is	D. None of these
	Question Image	D. none of these