Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. none of these
2	Which of the following is a scalar	A. weight B. force C. speed D. momentum
3	E-radius corresponding to < A is	
4	Question Image	A. A = B B. B = C C. A = C D. None of these
5	(a-1)-1 =	A. a-1 B. a C. -a D. None of above
6	Question Image	A. A⁻ B. A^t C. -A D. A
7	At a point 15 meters away from the base of a 15 meters high house, the angle of elevation of the top is	A. 90° B. 60° C. 30° D. 45°
8	QUQ, =	A. N B. R C. W D. Z
9	2π is the period of	A. sin□ B. tan□ C. cot□ D. all circular function
10	What is the period of cos 6x =?	A. π/2 B. π/3 C. π/4 D. π
11	If the roots of $ax^2 + b = 0$ are real and distinct then	A. ab > 0 B. a = 0 C. ab < 0 D. a > 0, b > 0
12	If f(α) = b2 and g (c) =d where c=b2 then (gof)(a) is	A. α B. c C. b D. d
13	Question Image	
14	Multiplying each side of an inequality by (-1) will:	A. Not effect B. Change the sign C. Become zero D. Not defined
15	If A is any matrix then its additive inverse is	A. A B. A⁻¹ C. A^t D. -A
16	Identity w.r.t intersection in a power set of any set is	A. ∅ B. Set itself C. Singleton set D. {0}
17	The domain of a finite sequence is a	A. Set of natural numbers B. R C. Subset of N D.

18	The value of p for which both the roots of the equation $4x^2 - 20x + (25p^2 + 15p - 66) = 0$ are less than 2, lies in	
19	Question Image	
20	x = _____ is in the solution of $2x + 3 < 0$	A. 0 B. 2 C. -1 D. -2