Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	In R, the multiplicative identity is	A. 0 B. 1 C. -1 D. None
2	-2, 1, 4, 7,.... is _____	A. Harmonic sequence B. Arithmetic sequence C. Geometric sequence D. Arithmetic series
3	The order axioms are satisfied by set of	A. C B. C and R C. R D. None of these
4	Question Image	A. 0 B. 1 C. -1 D. 2
5	If $a^x = b^y = c^z$ and a, b, c are in G.P. then x, y, z are in	A. A.P. B. G.P. C. H.P. D. None of these
6	The equation of the circle witch centre (-3, 5) and radius 7 is	A. (x-3)²+ (y+5)²= 7² B. (x-3)²+ (y-5)²= 7² C. (x+3)²+ (y+5)²= 7² D. (x+3)²+ (y-5)²= 7²
7	Empty set is	A. Not subset of every set B. Finite set C. Infinite set D. Not the member of real numbers
8	Fifteen girls compete in a race. The first three places can be taken by them in	A. 3! ways B. 12! ways C. 15 x 14 x 13 ways D. 42 ways
9	Question Image	
10	Question Image	
11	The set $\{x \mid x \in N \wedge x-4=0\}$ in tabular form is	A. {-4} B. {0} C. {} D. None of these
12	Question Image	
13	Range of $\sin\theta$ is	
14	A chimney is such that on walking towards it 50 m in a horizontal line through its base the angular elevation of its top changes from 30° to 45°. The height of the chimney is	
15	An event having more than one sample point is called	A. Certain event B. Compound event C. Simple event D. None
16	The roots of ax2 + bx + c = 0 are always unequal if	A. b2 - 4ac = 0 B. b2- 4ac ≠ 0 C. b2- 4ac > 0 D. b2- 4ac ≥ 0
17	Question Image	A. I quadrant B. II quadrant C. III quadrant

		D. IV quadrant
18	Question Image	A. Principle of equality of fractions B. Rule for product of fraction C. Rule for quotient of fraction
19	The term involving x^4 in the expansion of $(3 - 2x)^7$ is	A. 120 B. 1512 C. 1250 D. 15120
20	Question Image	A. 0 B. 1 C. -2 D. 10