Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. all are correct
2	The set of integers is a subset of	A. The set of natural numbers B. The set of whole numbers C. The set of prime numbers D. The set of rational numbers
3	Question Image	
4	(2.02)4 s equal to	A. 16 B. 16.6496 C. 17 D. 18
5	i =	A. √1 B. √2 C. √-2 D. √-1
6	If $\cos^{-1}p + \cos^{-1}q + \cos^{-1}r = \pi$ then $p^2 + q^2 + r^2 + 2pqr$ is equal to	A. 3 B. 1 C. 2 D. -1
7	The point of concurrency of the medians of the ΔABC is called its	A. Orthocenter B. Centriod C. Circumcentre D. Incentre
8	Question Image	A. -cosec²x B. -sec²x C. - cosec x cot x D. cosec x
9	If a, b, c are in A.P., then 3^a, 3^b, 3^c are in	A. A.P. B. G.P. C. H.P. D. None of these
10	Question Image	
11	Which of the following has the same value as i^{113}?	A. i B. -1 C. -i D. 1
12	20. 19. 18. 17= _____	
13	Which of the following is a factor of $x^3 - 3x^2 + 2x - 6$	A. x + 2 B. x + 3 C. x - 3 D. x - 4
14	The point _____ is in the solution of the inequality 4x - 3y < 2	A. (0,1) B. (2,1) C. (2,2) D. (3,3)
15	i^2 =	A. 1 B. 2 C. -1 D. 0
16	Question Image	
17	Question Image	A. 5 B. 20 C. 9 D. 4
18	2.333....is a	A. Irrational no B. Complex no C. Rational no

		D. None of these
19	For any two sets A and, $A \subseteq B$ if	A. $x \in A \Rightarrow x \in B$ B. $x \notin A \Rightarrow x \notin B$ C. $x \in A \Rightarrow x \notin B$ D. None of these
20	If nis positive integers, then $2^n > 2n+1$, only when	A. $n \leq 3$ B. $n \geq 3$ C. $n \leq 2$ D. $n \leq 1$