Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	D. all
2	If Z_1 = 1+ i, Z_2 = 2+3i , then $|Z_1 - Z_2|$ =?	A. $\sqrt{5}$ B. $\sqrt{7}$ C. -1-2i D. $\sqrt{3}$
3	ϱ is a	A. variable B. Positive constant C. Positive variable D. Directrix
4	Question Image	
5	If n € N , then n(n+3) is always	A. Multiple of 3 B. Multiple of 6 C. odd D. even
6	Question Image	
7	If p and q are two statements then their biconditional 'p if q' is denoted by	
8	Question Image	D. none of these
9	Find the geometric mean between 4 and 16	
10	Question Image	
11	$\cos^4\theta - \sin^4\theta$ =	A. $\cos4\theta$ B. $\cos2\theta$ C. $-\sin\theta$ D. $\sin2\theta$
12	θ and 2kπ+θ are the _____ angles	A. Quadrantal angles B. Coterminal C. Allied D. None
13	$\sqrt{x}$ = _____ if is a prime number	A. Rational no B. Natural no C. Irrational no D. Complex no
14	In a triangle ABC, if angle A = 72° , angle B = 48° and c = 9 cm then Ĉ is	A. 69° B. 66° C. 60° D. 63°
15	If Z = (1,2), then Z^{-1} =?	A. (0.2, 0.4) B. (-0.2 ,0.4) C. (0.2,-0.4) D. (-0.2,-0.4)

16	The set {1,-1,i,-i}	A. Form a group w.r.t addition B. Form a group w.r.t multiplication C. Does not form a group w.r.t multiplication D. Not closed under multiplication
17	$\tan\theta/2$	
18	No term of a harmonic sequence can be	A. 0 B. 1 C. 2 D. 3
19	Product of any n consecutive positive integers is divisible by	A. n B. √n C. n! D. None
20	For any set X, X∪X is	A. X B. X' C. Φ D. Universal Set