Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If $z_1 = (a,b)$, $z_2=(c,d)$, then $z_1 z_2$ = ----------	A. (ac,bd) B. (ac+bd, ad-bc) C. (ac-bd , ad+bc) D. (ac-bd , ad-bc)
2	If x+y+z+.....+2n = 2n+1-1 $\forall n \in W$,then cube root of xyz is equal to	A. 1 B. 4 C. 2 D. 8
3	Question Image	
4	Question Image	
5	Question Image	A. n < 8/5 B. n < 5/8 C. |n| < 8/5 D. |n|>8/5
6	If n is any positive integer then $2^n > 2(n + 1)$ is true for all	
7	No term of a geometric sequence can be	A. 0 B. 1 C. 2 D. 3
8	An A.P., a G.P. and a H.P. have the same first and last terms and the same odd numbers of terms, the middle terms of the three series are in	A. A.P. B. G.P. C. H.P. D. None of these
9	Let the sequence 1, 2, 2, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, ... where n consecutive terms have the value n, then 1025th term is	A. 2⁹ B. 2¹⁰ C. 2¹¹ D. 2⁸
10	There is no integer n for which 3n is	A. Even B. Prime C. Odd D. Real
11	The value of x which is unchanged by the mapping in the function defined by f ; x $\square$ $x^2 + 5x - 5$ for x> 0 is	A. 1 B. 5 C. -5 D. -1
12	Question Image	A. n(A) B. n(B) C. 0 D. 1
13	The expansion of $(1 + 2x)^{-2}$is valed if	A. | x | < 1/2 B. | x | < 1 C. | x | < 2 D. | x | < 3
14	In one hour, the hour hand of a clock turns through	
15	Question Image	A. 5 C. -5 D. none
16	The point which is closet to the focus of a parabola is:	A. vertex B. Chord C. Focus D. Directix
17	Question Image	
18	if a_1 =3, d=7 and a_n =59 , then the number of terms in A.P is	A. 7 B. 9 C. 11 D. 13

19	sin 3a = _____;	A. 3sin a - 4sin3a B. 4sin a -3 sin3 a C. 3 cos3 a -cosa D. 4cos3 a - 3cos a
20	Eight chairs are numbered 1 to 8. Two women and three men wish to occupy one chair each. First, the women choose the chairs from amongst the chairs marked 1 to 4 and then the men select the chairs from amongst the remaining. The number of possible arrangement is	A. ⁶C₃x ⁴C₂ B. ⁴C₂x ⁴P₃ C. ⁴P₂x ⁶P₃ D. None of these