Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. From an empty set B. 1 C. 2 D. >2
2	The set {-1, 1} is	A. Group under the multiplication B. Group under addition C. Does not form a group D. Contains no identity element
3	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
4	The mid point of the line segment joining the points (4,0) and (0,4) is	A. (4,4) B. (2,2) C. (-4,-4) D. (-2,-2)
5	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
6	The end points of the major axis of the ellipse are called its	A. Foci B. Vertices C. Co - vertices D. None of these
7	Given two numbers a and b. Let A denote the single A.M. between these and S denote the sum of n A.M.'s between them. Then S/A depends upon	A. n, a, b B. n, a C. n, b D. n
8	Question Image	A. A rational number B. A irrational number C. An even integer D. A factor of 36
9	Question Image	A. 0 B. 1 C. 2 D. None of these
10	Question Image	
11	Every whole number is	A. A real number B. An irrational number C. A prime number D. A negative integer
12	Question Image	
13	In triangle ABC, in which b=95, c=34, a =52 then the value of a=	A. 18 cm B. 18.027 cm C. 20.7 cm D. 19 cm
14	Question Image	A. 1 B. 3 C. 2-i D. -1
15	*i* is equal	A. (1 , 0) B. (0 , 1) C. (1 , 1) D. (0 , 0)

16	Question Image	A. x C. y
17	Additive inverse of -a -b is	A. a B. -a + b C. a - b D. a + b
18	The expansion of $(1 + 2x)^{-2}$ is valed if	A. | x | < 1/2 B. | x | < 1 C. | x | < 2 D. | x | < 3
19	Let S_n denote the sum of the first n terms of an A.P. If $S_{2n} = 3 S_n$: S_n is equal to	A. 4 B. 6 C. 8 D. 10
20	An infinite arithmetic series is always	A. Convergent B. Oscillatory C. Divergent D. None of these