Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The term involving x^4 in the expansion (3-2x) is	A. 217x⁴ B. 15120x⁴ C. 313x⁴ D. -25x⁴
2	The difference of two consecutive terms of an A.P. is called _____	A. General term B. Common ratio C. Common difference D. None of these
3	Question Image	
4	x =r cosθ,y= sinθ are the parametric equations of	A. Circle B. Ellipse C. Parabola D. Hyoerbola
5	Question Image	
6	Question Image	A. 25 B. 16 C. 5 D. 0
7	Question Image	
8	A bag contains 3 white, 4 black and 2 red balls. If 2 balls are drawn at random, then the probability that both the ball are white is	A. 1/18 B. 1/12 C. 1/36 D. None of these
9	Question Image	A. Rational fraction B. Proper fraction C. Improper rational fraction D. None of these
10	Every natural number is	A. A prime number B. An irrational number C. An integer D. An even number
11	(a,0) x (c,0) =	A. (0,ac) B. (ac,0) C. (0,0) D. (a,c)
12	Question Image	
13	The equation of the tangent at vertex to the parabola is y2 = -8(x -3)	A. y=0 B. x=3 C. x=1 D. x=5
14	The trigonometric function are continuous whenever	A. They are defined B. their limit exist C. Their period is given D. All are incorrect
15	Question Image	A. 0 B. -1 C. 1 D. -2
16	The value of x for which the polynomials x2 - 1 and x2 -2x + 1 vanish simultaneously is	A. 2 B. 1 C. -1 D. -2
17	Question Image	A. -2x³ B. 2x⁻³ C. -2x⁻³ D. 2x³
		A. 6200

18	The sum of all odd numbers between 100 and 200 is	B. 7500 C. 6500 D. 3750
19	A square is inscribed in the circle $x^2+ y^2- 2x + 4y + 3 =0$. Its sides are parallel to the co-ordinate axes. Then one vertex of the square is	
20	The point of concurrency of the angle bisectors of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid