Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	In a school there are 150 students Out of these 80 students enrolled for mathematics class.50 enrolled for English class and 60 enrolled for Physics class The student enrolled for English cannot attend any other class but the students of mathematics and Physics can take two courses at a time find the number of students who have taken both physics and mathematics.	A. 40 B. 30 C. 50 D. 60
2	Question Image	
3	The 60th part of one minute is called	A. Degree B. Second C. Radiam D. None of these
4	If 2x +y + λ =0 is normal to parabola y2 =-8x,λ= _____	A. 12 B. 8 C. 24 D. -24
5	Question Image	A. xa^{x-1} B. a^x C. x in a D. a^xln a
6	The solution set of the inequality ax + by < c is	A. straight line B. half plane C. parabola D. none of these
7	(1,0) is in the solution of the inequality	A. 3x + 2y > 8 B. 2x - 3y < 4 C. 2x + 3y > 3 D. x - 2y < -5
8	The number of proper subset of A ={a.b.c.d} is	A. 3 B. 6 C. 8 D. 15
9	If the distance of any point on the curve from any of the two lines approaches zero then it is called	A. Axis B. Directrices C. Asymptotes D. None
10	Question Image	D. none of these
11	Which is an explicit function	A. y = x²+ 2x - 1 B. x²+ xy + y²= 2 C. x²+ y²= xy + 2 D. All are
12	Question Image	A. cosec x + c B. -cosec x + c C. -sec x + c D. sec x + c
13	For all points (x,y) in fourth quadrant	A. x > 0 , y < 0 B. x > 0 , y > 0 C. x < 0 , y < 0 D. x < 0 , y > 0
14	The two parts into which 57 should be divided so that their product is 782 are	A. 43,14 B. 34,23 C. 33,24 D. 44,13
15	Name the property used in 1000 x 1 = 1000	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity
16	How many comittees of 5 numbers can be chosen from a group of 8 players person when each committee must include 2 particular persons	A. 8! B. 5!3! C. 5!

		D. 20
17	Question Image	A. An ellipse B. A parabola C. A circle D. A hyperbola
18	Question Image	
19	The tangents drawn from the point P to a circle are real and coincident if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these
20	Question Image	A. P(A) + P(B) B. P(A) - P(B) C. P(A) . P(B) D. P(A) / P(B)