

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If the lines 2x-3y-1=0,3x-y-5=0 and 3x+py+8=0 meet at a unique point then	A. p = -14 B. p = -1 C. p =0 D. p=12
2	Question Image	
3	The sum of the odd coefficients in the expansion of $(a + x)^4$ is	A. 14 B. 12 C. 8 D. 4
4	The set { {a,b} } is	A. Infinite set B. Singleton set C. Two points set D. Empty set
5	The point of concurrency of the angle bisectors of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid
6	Question Image	
7	The graph of the quadratic equation is	A. Straight line B. Circle C. Parabola D. elipse
8	Question Image	D. none of these
9	The conic is a parabola, when:	A. $_{\varrho}$ > 1 B. $_{\varrho}$ < 1 C. $_{\varrho}$ = 1 D. $_{\varrho}$ = 0
10	If (2, 3) is the mid point of (a, 3) and (5, b) then	A. a = 1, b = -3 B. a = -1, b = 3 C. a = 1, b = 3 D. a = -1, b = -3
11	2cos2 a/2 =;	A. 1+sina B. 1-sina C. 1+cosa D. 1-cosa
12	Question Image	
13	A chimney is such that on walking towards it 50 m in a horizontal line through its base the angular elevation of its top changes from 30° to 45° . The height of the chimney is	
14	Question Image	
15	Question Image	A. 1 B1
16	If a = b = a+b =1, then a-b is equal to:	A. 1 B. √3 C. √2 D. 7
17	Question Image	D. none of these
18	The additive inverse of 2/3 is	A. 3/2 B2/3 C3/2 D. 0
19	9. 8. 7. 6=	
20	Derivative of a w.r.t x is	A. 0 B. 1 C. x