Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. Right angled B. Obtuse angled C. Isosceles D. Equilateral
2	1^0= _____	
3	The only function which is both even and odd is	A. f(x) =α B. f(x) = x C. f(x) =0 D. Both A & B
4	Question Image	
5	Question Image	
6	A square matrix A = [aij] is upper triangular when	A. cij = 0 B. bij = 0 C. aij = 0 for all i > j D. dij = 0
7	Question Image	
8	The range of inequality x + 2 > 4 is	A. (-1, 2) B. (-2, 2) C. (1,∞) D. None
9	The value of x and y when (x + iy)2 = 5 - 4i	A. x = 2, y = -1 B. x = -2, y = 1 C. x = 2, y = -i D. x = 2, y = 2
10	Question Image	
11	The law of sines can be used to solve	A. Right angle triangle B. Isosceles triangle C. oblique triangle D. haxagon
12	An experiment yields 3 mutually exclusive and exhaustive events A, B, C, if P(A) =2 and P(B) = 3. then P(C) =	A. 1 / 11 B. 2 / 11 C. 3 / 11 D. 6 / 11
13	The vertex of the parabola (xsin a -ycos a)2 =4a(xcos a +ysin a) lies at	A. (acos a,asin a) B. (a,0) C. (cos a,sin a) D. (0,0)
14	Riaz, Saba. Maria, Shehzad are to give speeches in a class. The teacher can arrange the order of their presentation in	A. 4 ways B. 12 ways C. 256 ways D. 24 ways
15	Question Image	
16	x = _____ is in the solution of 2x + 3 < 0	A. 0 B. 2 C. -1 D. -2
17	Question Image	A. 5 B. 10 C. 20 D. 30
18	Question Image	

19	The sum of an infinite geometric series exist if	A. | r | < 1 B. | r | > 1 C. r = 1 D. r = -1
20	The projections of a line segment on x, y, z axes are 12, 4, 3. The length and the direction cosines of the line segment are	