Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A polynomial P(x)has a factor (x-a)if P(a) =	A. a B. x C. 1 D. 0
2	The distance of the point (a,b) from y-axis is	A. a B. b C. a + b
3	Graph of the question $x^2+ y^2= 4$ is	A. A circle B. An ellipse C. A parabola D. A square
4	The period of|sin2x| is	A. π/2 B. -π/2 C. π D. π/3
5	Question Image	A. 110 B. 220 C. 1320 D. None of these
6	Question Image	
7	The tangents drawn from the point P to a circle are imaginary if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these
8	Question Image	A. perpendicular vectors B. parallel vectors C. concurrent vectors D. none of these
9	If 4 $^6P_r= {}^6P_{r+1}$, then r is equal to	A. 4 B. 3 C. 2 D. 1
10	If n is any positive integer then $2^n> 2(n + 1)$ is true for all	
11	Question Image	A. 0 B. abc C. 1/abc D. None of these
12	The sum even binomial coefficient of (3+2x)5 is _____term	A. 16 B. 30 C. 8 D. 32
13	If the line 2x -y +k =0 is a diameter of the circle x2 +y2 +6x -6y +5 =0 then k is equal to	A. 12 B. 9 C. 6 D. 3
14	The value of k (k > 0) for which the equation $x^2+ kx + 64 = 0$ and $x^2- 8x + k = 0$ both will have real roots is	A. 8 B. -16 C. -64 D. 16
15	The distance between the points (0 , 0) and (2, 1) is	A. 5 C. 0 D. 3
16	(x3-1/x)12	A. 295 B. 495 C. 395 D. 722
17	$5x^3+ 3x$ - is a _____	A. Polynomial of degree 3 B. Polynomial of degree 2 C. Polynomial of degree 1

		D. Polynomial of degree 0
18	The general term of the A.P. is	A. a₁+ (n - 1) d B. n + (a₁- 1) d C. d + (n - 1) a₁ D. None of these
19	The law of cosines reduces to a2 +c2 =b2 for	A. α = 90° B. β = 90° C. γ = 90° D. α +β +γ =180°
20	Question Image	