Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The transpose of a column matrix is a _____	A. Zero matrix B. Diagonal matrix C. Column matrix D. Row matrix
2	The middle term(s) of (a+x)11 is	A. 6th term B. 6thor 7th C. 7th term D. 6thand7th
3	The locus of the point of intersection of tangents to an ellipse at two points, sum of whose eccentric angles is constant is	A. A parabola B. A circle C. An ellipse D. A st. line
4	Question Image	A. A parabola B. An ellipse C. A hyperbola D. A circle
5	Question Image	
6	nCn-r is equal to	A. n! B. n-1Cr C. nCr D. None of these
7	Question Image	
8	Let A is a 3 x 3 matrix and B is its adjoint matrix. If |B| = 64, then |A| =	
9	An observer on the top of a cliff 200 m above the sea level, observes the angles of depression of two ships on opposite sides of the cliff to be 45° and 30°, respectively. The distance between the ships if the line joining them points to the base of cliff is	
10	If $f(x) = x^2$ then f(0) is	A. 0 B. 1 C. 2 D. none of these
11	The 60th part of one minute is called	A. Degree B. Second C. Radiam D. None of these
12	Question Image	B. a f(x) + c C. f(x) + a
13	A point where two of its boundary lines intersect is called	A. Corner point B. Feasible point C. Vertex D. Feasible solution
14	Question Image	
15	Question Image	
16	Question Image	A. x = 3 B. x = 1/5 C. x = 0 D. None of these
17	Question Image	
18	If the equation x2+2x-3=0 and x2+3x-k=0 have a common root then the non - zero value of k is	A. 1 B. 3 C. 2 D. 4
19	The straight line passing through the focus and perpendicular to the directrix of the conic is known as its	A. Tangent B. axis C. Focal chord D. major or manor axis

20	The equation of the plane which bisects the line joining (2, 3, 4) and (6, 7, 8) is	A. x + y + z - 15 = 0 B. x - y + z - 15 = 0 C. x - y - z - 15 = 0 D. x + y + z + 15 = 0