Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	An integer is chosen at random from the number ranging from 1 to 50. the probability that the integer chosen is a multiple of 2 or 3 or 10 is	A. 3 / 10 B. 5 / 10 C. 7 / 10 D. 9 / 10
2	The sum of complex number (a,b) and (c,d) is	
3	Question Image	A. 20 B. 10 C. 0 D. None of these
4	The law of cosines reduces to $a^2 + c^2 = b^2$ for	A. $\alpha = 90°$ B. $\beta = 90°$ C. $\gamma = 90°$ D. $\alpha + \beta + \gamma = 180°$
5	Question Image	A. $2x + 3$ B. $x^2 + 3 + c$
6	Question Image	A. 3K B. K2 C. K3 D. K
7	A point of a solution region where two of its boundary lines intersect, is called	A. Boundary B. Inequality C. Half plane D. Vertex
8	Question Image	A. $^{10}C_6$ B. $^{10}C_5$ C. $^{10}C_4$ D. None
9	Question Image	A. An upper triangular matrix B. A lower triangular matrix C. A diagonal matrix D. A null matrix
10	General solution of $1 + \cos x = 0$ is	
11	the latus rectum of the parabola $x^3 = -4ay$ is:	A. $x = a$ B. $y = -a$ C. $x = -a$ D. $y = 0$
12	The nth term of an A.P is $(3n+5)$ Its 75th term is	A. 26 B. 7 C. 21 D. Cannot be determined
13	$1^0 = $ _____	A. 1.5 rad B. 0.5 rad C. 0.175 rad D. None of these
14	If $Z_1 = 1 + i$, $Z_2 = 2+3i$, then $|Z_2 - Z_1| = ?$	
15	The general term of the A.P. is	A. $a_1 + (n - 1) d$ B. $n + (a_1 - 1) d$ C. $d + (n - 1) a_1$ D. None of these
16	Name the property used in $1000 \times 1 = 1000$	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity
17	If the matrices A and B have the order 1 x 10 and 10 x 1 then order of AB is	A. 1 x 1 B. 1 x 10 C. 10 x 10 D. 10 x 1

18	Question Image
19	Question Image
20	Question Image	A. direction ratios B. direction cosines C. direction angles D. none of these