Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	There may be _____ feasible solution in the feasible region	A. Infinite B. Finite C. Defined D. None of above
2	There are _____ types of rational fraction	A. Three B. Four C. Five D. Two
3	A card is drawn from a pack of cards numbered 1 to 52, the probability that the number on the card is a perfect square is	A. 1/13 B. 2/13 C. 7/52 D. None of these
4	Question Image	
5	Question Image	
6	Question Image	A. 1 B. -i C. i D. 0
7	Range of tan x is _____	A. [-1, -] B. R C. Negative real numbers D. R - {x | - 1 < x < 1}
8	sec (-360°) = _____	A. 0 B. 1 C. 2 D. 3
9	The eccentricity of ellipse becomes zero, then it takes the form of:	A. a parabols B. a straight line C. a circle D. None of these
10	The set {1,-1, i, -i} form a group under	A. Addition B. Multiplication C. Subtraction D. None
11	Each point of the feasible region is called	A. Solution B. feasible solution C. Both a & b D. None
12	Group of none-singular matrices under multiplication is	A. None-Abelian group B. Semi group C. Abelian group D. None of these
13	Question Image	B. 1 D. -1
14	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
15	The set of real roots of the equation $\log_{(5x+4)}(2x+3)^3 - \log_{(2x+3)}(10x^2 + 23x + 12) = 1$ is	A. {-1} B. {-3/5} C. Empty set D. {-1/3}
16	$n! > 2^{n}-1$ is true when	A. n≤ 3 B. n≤ 6 C. n≥ 4 D. n≤ 6
17	$w^{28} + w^{38} = $ _____	A. 0 B. 1 C. w

D. -1

18	Which of the following integrals can be evaluated	
19	14 is not a	A. Prime number B. Whole number C. Even number D. Real number
20	Multiplicative inverse of 0 is	A. 0 B. 1 C. +-1 D. Does not exist