Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 110 B. 220 C. 1320 D. None of these
2	By expressing sin 125° in terms of trigonometrical ratios, answer will be	A. sin 65° = 0.9128 B. sin 55° = 0.8192 C. sin 70° = 0.5384 D. sin 72° = 0.1982
3	$\tan^{-1} 1/x =$ _____	A. sin x B. $\sec^{-1} X$ C. $\cot^{-1} X$ D. None of these
4	Question Image	
5	If c is a constant number and if f is the function defined by the equation f(x) =c for all values of x, then f is differentiable at every x and f is defined by the equation f(x)	A. f B. 1 C. C D. 0
6	Question Image	A. 4A - 3I B. 3A - 4I C. A - I D. None of these
7	Corner point of the system x - y≤ 2,x + y≤ 4,2x -y≥ 6,x≥ 0,y≥ 0	A. (1,4) B. (4,2) C. (3,1) D. (4,1)
8	Sum of first n terms of an arithmetic series is	
9	The set {1,2,3,4......} is called	A. Set of natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
10	What is the conjugate of -6 -i?	A. -6 +i B. 6+i C. -6 -i D. 6 -i
11	$\sin^{-1} x =$	A. $\tan^{-1} x$ B. $\text{Cosec}^{-1} x$ C. Cosec x D. $\text{cosec}^{-1}(1/x)$
12	The slope of x-axis is	A. 0 B. undefined C. 1
13	Question Image	D. none of these
14	Question Image	A. a = 4, b = 1 B. a = 1, b = -4 C. a = 0, b = 4 D. a = 2, b = 4
15	Which of the following is a vector.	A. distance B. temperature C. energy D. acceleration
16	$i =$	A. $\sqrt{1}$ B. $\sqrt{2}$ C. $\sqrt{-2}$ D. $\sqrt{-1}$

17	Question Image	
18	Question Image	A. I and II quadrants B. I and III quadrants C. II and III quadrants D. II and IV quadrants
19	If the exponent in the binomial expansion is 6, then the middle term is	A. 2nd B. 3rd C. 4th D. 5th
20	0.25 is _____	A. An irrational number B. A natural number C. A prime number D. A rational number