Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The set of rational number is represented by	A. W B. R C. Q' D. \ Q\ \ \ \
2	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. X = 2, y = 1 B. X = -2, y = 1 C. X = 2, y = -1 D. X = 2, y = 2
3	Unit vector in the positive direction of x-axis is	
4	Question Image	
5	The equation of the circle witch centre (-3, 5) and radius 7 is	A. (x-3)²+ (y+5)²= 7² B. (x-3)²+ (y-5)²= 7² C. (x+3)²+ (y+5)²= 7² D. (x+3)²+ (y-5)²= 7²
6	Question Image	
7	The period of $|\sin 2x|$ is	A. $\pi/2$ B. $-\pi/2$ C. π D. $\pi/3$
8	Question Image	A. -1 B. 0 C. 1 D. Undefined
9	The 10th common term between the series 3+7+11+....... and 1 + 6 +11 + ... is	A. 191 B. 193 C. 211 D. None of these
10	If w is a cube root of unity then $1 + w + w^2 =$ _____	A. 1 B. 2 C. 0 D. -1
11	Question Image	A. 0 B. 2 C. 4/3 D. 5/3
12	A conjunction of two statement p and q is true only if	A. p is true B. q is true C. Both p and q are true D. both p and q are false
13	Question Image	A. (g,f) B. (-g,f) C. (g,-f) D. (-g,-f)
14	Question Image	B. 0 C. 1 D. undefined
15	Question Image	D. none of these
16	Question Image	
17	Question Image	A. Associative property of addition B. Associative property of multiplication C. Commutative property of addition D. Commutative property of multiplication

18	(1,0) is in the solution of the inequality	A. 3x + 2y > 8 B. 2x - 3y < 4 C. 2x + 3y > 3 D. x - 2y < -5
19	Question Image	A. 56 B. 7 C. 8 D. 8/7
20	(x-1) is a factor of	A. $2x^3 - 3x^2 + 9$ B. $2x^3 - 5x - 8$ C. $48x^2 - 46x - 9$ D. $x^9 - 1$