

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$w^{11} = \underline{\hspace{2cm}}$	A. 0 B. 1 C. w D. w^{22}
2	In $(x + iy)^x$ is the known as	A. Imaginary part of complex number B. Real part of complex number C. Complex number D. None of above
3	The multiplicative inverse of -1 in the set $\{1, -1\}$ is	A. 1 B. -1 C. +1 D. 0
4	The parabola $y^2 = x$ is symmetric about	A. x-axis B. y-axis C. Both x and y-axis D. The line $y = x$
5	Question Image	
6	The study conics, pappus used the method of:	A. analytic geometry Euclidean B. solid geometry C. Greek mathematicians D. None of these
7	The number of points of intersection of two curves $y = 2 \sin x$ and $y = 5x^2 + 2x + 3$ is	A. 0 B. 1 C. 2 D. None of these
8	Question Image	
9	$\cos(\alpha - \beta) = \cos\alpha\cos\beta + \sin\alpha\sin\beta$ is true for all	A. $\alpha < \beta$ B. $\alpha > \beta$ C. $\alpha = \beta$ D. None of these
10	The point of contact of the circles $x^2 + y^2 - 6x - 6y + 10 = 0$ and $x^2 + y^2 = 2$ is	A. (-3, 2) B. (1, 3) C. (-2, -1) D. None of these
11	In common logarithm the base is	A. 1 B. 0 C. 10 D. e
12	Which is not a half plane	A. $ax + by < c$ B. $ax + by > c$ C. Both A and B D. None
13	Question Image	
14	Three dice are thrown together. The probability of getting a total of at least 6 is	A. $\frac{103}{108}$ B. $\frac{10}{216}$ C. $\frac{93}{108}$ D. None of these
15	$7^{2n} + 3^{n-1} \cdot 2^{3n-3}$ is divisible by	A. 24 B. 25 C. 9 D. 13
16	Question Image	

17	$(a+bi) - (c+di) =$	A. $(a+b) = (c+d)$ B. $(a+c) + i(b+d)$ C. $(a - c) + (c - d)i$ D. $(a - c) + (b - d)i$
18	Question Image <input type="text"/>	A. Conclusion B. Implication C. Antecedent D. Hypothesis
19	Matrices are represented by	A. Natural numbers B. Real numbers C. Small letters D. Capital letters
20	Question Image <input type="text"/>	