

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$(a,b) + (-a,-b) =$	A. (0,0) B. (a,b) C. (-a,-b) D. (1,1)
2	Question Image <input style="width: 100%;" type="text"/>	A. 3/8 B. 7/8 C. 1/8 D. None
3	The value of k ($k > 0$) for which the equation $x^2 + kx + 64 = 0$ and $x^2 - 8x + k = 0$ both will have real roots is	A. 8 B. -16 C. -64 D. 16
4	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of these
5	Question Image <input style="width: 100%;" type="text"/>	
6	The common ration of a geometric sequence cannot be	A. 0 B. 1 C. 2 D. 3
7	Question Image <input style="width: 100%;" type="text"/>	A. 0 B. 1 C. 1/2
8	Intersection of two parabolas	A. parabola B. Two points C. Four points D. Hyperbola
9	Question Image <input style="width: 100%;" type="text"/>	
10	The measure of the acute angle between the lines represented by $x^2 - xy - 6y^2 = 0$ is	A. 120° B. 30° C. 130° D. 45°
11	Question Image <input style="width: 100%;" type="text"/>	A. Addition B. Subtraction C. Multiplication D. None of these
12	If $a = \{2m/2m < 9, m \in p\}$, the $(n A) =$	A. $\{2,3,4,5,6,7,8\}$ B. $\{2,4,6,8, \dots, 16\}$ C. $\{4, 6\}$ D. $\{2,3,5,7\}$
13	Identity w.r.t intersection in a power set of any set is	A. \emptyset B. Set itself C. Singleton set D. $\{0\}$
14	The 7th term of the A.P 7,11,15,is	A. 24 B. 31 C. 26 D. 23
15	If the roots of $ax^2 - bx - c = 0$ change by the same quantity, then the expression in a, b, c that does not change is	
16	If P is a proposition then its negative is denoted by	
17	The feasible region which can be enclosed within a circle is called	A. Bounded region B. Convex region C. Unbounded region D. None
		A. The law of sines

- 18 B. The law of tangents
C. The pythagorus theorem
D. None of these
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- 19 If for the matrix $A, A^5 = 1$, then $A^{-1} =$ A. A^2
B. A^3
C. A
D. None of above
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- 20 Express the perimeter P of square as a function of its area A ? A. $P = 4\sqrt{A}$
B. $P = \sqrt{A}$
C. $P = 2A$
D. $P = \pi\sqrt{A}$
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