

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The formula $a_n = a + (n-1)d$ for an A.P is called	A. nth term of an A.P B. Sum of first n terms C. A.M between a and b D. None of the above
2	Question Image	A. The law of sines B. The law of cosines C. The law of tangents D. None of these
3	If C is the mid point of AB and P is any point outside AB, then	
4	The area enclosed between the graph $y = x^2 - 4x$ and the x- axis is:	A. 20/3 B. 41/3 C. 32/3 D. 25/3
5	Write down the power set of {9, 11}	
6	The slope of the normal at (4,3) to the circle $x^2 + y^2 = 25$ is	A. 3/4 B. -3/4 C. 4/3 D. -4/3
7	The nth term of a G.P. is	A. $a^{₁r^{ⁿ}$ B. $a^{₁r^{ⁿ⁺¹}$ C. $a^{₁r^{ⁿ⁻¹}$ D. $a^{₁r^{⁻ⁿ}}$
8	If the terminal rays of an angle falls on any axis then the angle is called	A. Allied angle B. Acute angle C. Standard position D. Quadrantal angle
9	The distance of the point (2,3) from y-axis is	A. 2 B. 3 C. 5
10	The distance of the point (-2 , 3) from y-axis is	A. 2 B. -2 C. 3 D. 1
11	Question Image	A. 6 B. 360 C. 120 D. 24
12	Question Image	
13	Question Image	
14	A function $F(x)$ is called even if	A. $F(x) = F(-x)$ B. $F(x) = F(-x)$ C. $F(x) = -F(x)$ D. $2F(x) = 0$
15	$(x + 2)^2 = x^2 + 4x + 4$ is	A. A linear equation B. A cubic equation C. A quadratic equation D. None
16	A statement which is either true or false is called	A. Induction B. Deduction C. Proposition D. Logic
17	Question Image	
18	The physical quantity which possesses both magnitude and direction is called a	A. scalar B. vector C. constant D. none of these

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Question Image

- A. A
- B. A'
- C. U
- D. U'

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Question Image