

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Which of the following sets has closure property w.r.t. addition	A. $\{0\}$ B. $\{1\}$ C. $\{0, -1\}$ D. $\{1, -1\}$
2	The sixth term of the sequence 1,3,12,60....is	A. 1500 B. 72 C. 2160 D. 2520
3	Question Image	
4	A die is thrown, the probability that the dots on the top are prime numbers or odd numbers is	A. $1/2$ B. $2/3$ C. $1/3$ D. $2/5$
5	The radius of the circle $(x - 1)^2 + (y + 3)^2 = 61$ is	A. 8 B. 4 C. 64 D. None of these
6	A function $F(x)$ is called even if	A. $F(x) = F(-x)$ B. $F(x) = F(-x)$ C. $F(x) = -F(x)$ D. $2F(x) = 0$
7	The distance of the point (a, b) from x-axis is	A. a B. b C. $a + b$
8	If $x^3 - x^2 + 5x + 4$ is divided by $x - 2$, then the remainder is	A. 0 B. 2 C. 18 D. 14
9	Question Image	
10	Question Image	
11	The mid point of the line segment joining the points (a,b) and (b,a) is	
12	Question Image	
13	Question Image	A. image B. pre-image C. constant D. none of these
14	A quadratic equation has two	A. roots B. degree C. variables D. constants
15	The number of real tangents that can be drawn to the ellipse $3x^2 + 5y^2 = 32$ passing thro. $(3, 5)$ is	A. 0 B. 1 C. 2 D. Infinite
16	Which of the following is the subset of all sets?	
17	for $n \in \mathbb{N}$, $3^{2n} + 7$ is divisible by	A. 7 B. 8 C. 9 D. 10
18	The distance of the point $(-2, -3)$ from the origin is	A. 2 B. -5 C. -3
19	If n is any positive integer then $2^n > 2(n + 1)$ is true for all	
20	Let $T = \{1, 2, 3, 4, 5, 6\}$	A. $T = \{\text{First six natural numbers}\}$ B. $T = \{\text{First six odd numbers}\}$

- C. $T = \{\text{First six real numbers}\}$
D. $T = \{\text{First six even numbers}\}$