

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The set $\{Z \setminus \{0\}\}$ is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
3	If $y=f(x)$ is a function then y is called	A. dependent variable B. independent variable C. constant D. none of these
4	$QUQ, =$	A. N B. R C. W D. Z
5	The set $\{x x \in N \wedge x-4=0\}$ in tabular form is	A. $\{-4\}$ B. $\{0\}$ C. $\{\}$ D. None of these
6	Question Image	A. Closure law of addition B. Associative law of addition C. Additive inverse D. Additive identity
7	5 unbiased coins are tossed simultaneously. The probability of getting at least one head is	A. $1/32$ B. $31/32$ C. $1/16$ D. None of these
8	If you are looking a high point from the ground, then the angle formed is	A. Angle of elevation B. Angle of depression C. Right angle D. Horizon
9	Question Image	A. -10 B. $10/7$ C. $-10/7$ D. $-7/10$
10	$f(x) = x^3$ is:	A. an odd function B. an even function C. an implicit function D. a quadratic function
11	A non-terminating, non-recurring decimal represent	A. A natural number B. A rational number C. An irrational number D. A prime number
12	$(a,0) \times (c, 0) =$	A. $(0,ac)$ B. $(ac, 0)$ C. $(0,0)$ D. (a, c)
13	If C is the mid point of AB and P is any point outside AB, then	
14	If $x - 1$ is a factor of $x^4 - 5x^2 + 4$ then other factor is	A. $(x+2)^2(x-1)$ B. $(x+2)(x-1)^2$ C. $(x+2)(x^2-x-2)$ D. $(x+2)^2(x-1)^2$
15	Question Image	
16	Question Image	
17	Question Image	
18	If $kx^2 + 2hxy - 4y^2 = 0$ represents two perpendicular lines then	A. $k = 2$ B. $k = \pm 2$ C. $k = -2$ D. $k \neq 0$

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If $a > b$ or $a < b$ then $a = b$ is a

- A. Additive property
- B. Transitive property
- C. Trichotomy property of inequality

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Question Image