

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	How many 3 digit numbers can be formed by using each one of the digit 2, 3, 5, 7, 9 only once?	A. 15 B. 24 C. 60 D. 120
2	Gooch crucible is made of :	A. Brass. B. Porcelain. C. Bronze. D. Gold.
3	In quadratic equation $y=ax^3+bx+c$, if b and c are both zero then the graph is	A. Symmetric w.r.t.y-axis B. Symmetric w.r.t.x-axis C. Straight Line D. Circle
4	Let A,B, and C be any sets such that $A \cup B = A \cup C$ and $A \cap B = A \cap C$ then	A. $A \neq C$ B. $B = C$ C. $A = B$ D. $A \neq B$
5	Question Image	A. $1/x$ B. $-x$ C. $2x$ D. $0.5 x$
6	Question Image	A. A rational number B. An irrational number C. An odd number D. A prime number
7	Question Image	
8	Question Image	
9	A disjunction of two statement p and q is true	A. p is false B. q is false C. Both p and q are false D. One of p and q is true
10	The set of points $\{(x,y) y = f(x), \forall x \in \}$ is called	A. Relation B. Graph of f C. Function D. All are correct
11	Question Image	A. 1, 1/2, 0 B. 1, 2, 1 C. 1, 2, 3 D. 1, 2, 0
12	Question Image	A. Addition B. Multiplication C. Division D. Both addition and multiplication
13	1.4142135... is _____	A. A natural number B. A rational number C. A prime number D. An irrational number
14	The distance of the points (3, 4, 5) from y-axis is	
15	The set of first elements of the ordered pairs in a relation is called its	A. domain B. range C. relation D. function
16	Question Image	A. $a \cos(ax + b) + c$ B. $-a \cos(ax + b) + c$
17	A non-homogeneous linear system $AX = B$ has no solution if	A. $ A = 0$ B. $ A \neq 0$ C. Rank (a) = no of variables D. Rank \geq no of variables

18	The set $\{1,2,3,4,\dots\}$ is called	A. Set of natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
19	$f(x) = ax + b$ will be an identity function if	A. $a = 1$, $b = 1$ B. $a = 1$, $b = 0$
20	For two vector a and b, $a+b =$ _____	A. a b B. b+a C. b-a D. None