

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. A finite non-empty set B. Null set C. Both a and b D. None of these
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Scalar matrix B. Identity matrix C. Null matrix D. Symmetric matrix
3	Under multiplication, solution set of is	A. Groupoid B. Abelian group C. Semi group D. All of these
4	A circle which touches one side of a triangle externally and the other two sides produced is called	A. In-circle B. Circumcircle C. e-circle D. Point circle
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
6	Three integers are chosen at random from the first 20 integers. Then probability that their product is even, is	A. 2 / 19 B. 3 / 29 C. 17 / 19 D. 4 / 19
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Even B. Odd C. Prime D. None of these
8	The matrix $A = [a_{ij}]_{1 \times n}$ is a	A. Vector B. Rectangular matrix C. Column vector D. Square matrix
9	The range of the principle cot function is	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 2 B. 7 C. 8 D. 12
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 405 / 256 B. 504 / 259 C. 450 / 263 D. None
12	An equation which hold good for all values of the variables is called	A. Identity B. fraction C. mixed form D. Partial equation
13	$(n + 2) (n + 1) n = \underline{\hspace{2cm}}$	
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	D. none of these
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	Point (2,0) lies on trigonometric function $f(x) = \underline{\hspace{2cm}}$;	A. $\sin x$ B. $\cos x$ C. $\tan x$ D. $\sec x$
18	If a plane passes through the vertex of a cone then the intersection is	A. an ellipse B. a hyperbola C. a point circle D. a parabola
		A. relation on A

19 If A and B are two sets then any subset R of $A \times B$ is called

- B. relation on B
- C. relation from A to B
- D. relation from B to A

20 2.333... is a

- A. Irrational no
- B. Complex no
- C. Rational no
- D. None of these