

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Domain of $\tan x$ is _____	
2	The equations of the line thro' the point (2, 3, -5) and equally inclined to the axis are	
3	Question Image	A. image B. pre-image C. constant D. none of these
4	For a set A, $A \cup A^c =$ -----	A. A B. \emptyset C. Ac D. U
5	Question Image	A. 16 B. 256 C. 64 D. 1024
6	Question Image	A. 1 B. 3 C. 2-i D. -1
7	A function from X to X is denoted as	B. $f : X \text{ to } Y$ D. $f : Y \text{ to } Y$
8	$i =$	
9	If the intersecting plane is parallel to a generator of the cone, but intersects its one nappe only, the curve obtained is	A. an ellipse B. a hyperbola C. a circle D. a parabola
10	Question Image	A. Reflexive property B. Symmetric property C. Transitive property D. Additive property
11	Question Image	A. $c = 0$ B. $c = -1$ C. $c = -2$ D. $c = 1$
12	What is the conjugate of $-6 - i$?	A. $-6 + i$ B. $6 + i$ C. $-6 - i$ D. $6 - i$
13	Question Image	A. 2×2 B. 2×3 C. 3×2 D. 3×3
14	The 7th term of the A.P 7,11,15,is	A. 24 B. 31 C. 26 D. 23
15	Question Image	A. A B. A' C. U D. A A'
16	A number A is called the arithmetic mean between a and b if a, A, b is _____	A. Arithmetic sequence B. Geometric sequence C. Harmonic sequence D. Arithmetic sequence
17	Question Image	A. A.P. B. G.P. C. H.P. D. None of these

18 The identity element of a set X with respect to intersection in $P(X)$ is

- A. X
- B. Does not exist
- C. \emptyset
- D. None of these

19 If $uv = \text{Proj}_v u$ then

- A. u and v are parallel
- B. u is a unit vector
- C. u is a unit vector
- D. Both b and c

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