

10th Class Math English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	Which of the following is distributive property intersection over union?	A. $A \cup (B \cap C) = A \cup (B \cap C)$ B. $A \cap (B \cup C) = (A \cap B) \cap C$ C. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$ D. $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
2	If $A = \{1, 2, 3\}$, $B = \{4, 5\}$ and $R = \{(1, 4), (2, 5), (3, 4)\}$ then R is _____	A. One - one function from A to B B. A function A to A C. Not a function D. An onto function from A to B
3	To resolve rational fraction, the numerator $N(x)$ must be lower degree than the:	A. Quotient $Q(x)$ B. Denominator $D(x)$ C. Numerator $N(x)$ D. Polynomial $R(x)$
4	A and A^C are.....Set.	A. Universal B. Overlapping C. Disjoint D. Super
5	The symbol used to denote a minute is:	A. $1''$ B. $1'$ C. 1° D. $1'''$
6	Equation $3^{2-x} + 6 = 0$ is of type:	A. Exponential B. Radical C. Reciprocal D. Non
7	In a cumulative frequency polygon frequencies are plotted against:	A. Midpoints B. Upper class boundaries C. Class limits D. Frequency
8	Through how many non-collinear points a circle can pass?	A. One B. Two C. Three D. Four
9	90 degree makes _____ right angle:	A. 2 B. 4 C. 1 D. 3
10	An arc which is shorter than the half of the circumference is called:	A. minor arc B. major arc C. segment D. semi arc
11	In equation $5^{1+x} + 5^{1-x} = 26$, we put:	A. $5^{1+x} = y$ B. $5^{1+x} = y$ C. $5^{1-x} = y$ D. $5^x = y$
12	The opposite angles of any quadrilateral inscribed in a _____ are supplementary:	A. Circle B. Square C. Hexagon D. Rectangle
13	$\sin^2 \theta + \cos^2 \theta =$ _____:	A. $\sin \theta$ B. $\cos \theta$ C. 1 D. 2
14	If $b^2 - 4ac > 0$ and is not a perfect square, then roots are:	A. Rational and unequal B. Irrational and equal C. Rational and equal D. Irrational and unequal
15	In a circle radius 10 what is the length of arc intercepted by a central angle of 60° :	A. $\pi/3m$ B. $3/10\pi m$ C. $10\pi/3m$ D. $\pi/30m$

16 Collection of distinct objects.

A. Subset
B. Power set
C. Set
D. None of the

17 $(A \cap B)' = \underline{\hspace{2cm}}$

A. $A' \cup B'$
B. $A' \cap B'$
C. $A \cap B$
D. $A \cup B$

18 A data in the form of frequency distribution is called:

A. **Grouped data**
B. Ungrouped data
C. Histogram

19 Which is one is a quadrant angle?

A. 30°
B. 45°
C. 60°
D. 90°

20 Locus of a point in the plane equidistant from a fixed point is called:

A. Radius
B. Circle
C. Circumference
D. Diameter
