

## Introduction to Trigonometry

Sr	Questions	Answers Choice
1	Arms of an angle called:	A. Terminal sides B. Rays C. Rotation of arms D. Position
2	$\operatorname{Cosec}^2\theta - \cot^2\theta =$ _____	A. -1 B. 1 C. 0 D. $\tan\theta$
3	The system of measurement in which angle is measured in radian is called.	A. C.G.S System B. Sexagesimal system C. M.K.S.System D. circular system
4	$3\pi/4$ radians =.....	A. $115^\circ$ B. $135^\circ$ C. $150^\circ$ D. $30^\circ$
5	$\pi/3$ radians =.....	A. $30^\circ$ B. $45^\circ$ C. $60^\circ$ D. $90^\circ$
6	$\sec^2\theta$ _____	A. $1 - \sin^2\theta$ B. $1 - \tan^2\theta$ C. $1 + \cos^2\theta$ D. $1 - \tan^2\theta$
7	A circle of radius 'r' has area:	A. $\pi r^2$ B. $2\pi r$ C. $2\pi r^2$ D. $1/2\pi r$
8	360 degrees make 4 _____ angles:	A. Obtuse B. Right C. Acute D. Supplementary
9	$3\pi/2$ Radian = _____	A. $30^\circ$ B. $135^\circ$ C. $180^\circ$ D. $270^\circ$
10	$20^\circ =$	A. $360'$ B. $630'$ C. $1200'$ D. $3600'$
11	In which quadrant 0 lie when $\sec\theta < 0$ , $\sin\theta < 0$ ?	A. I B. II C. III D. IV
12	$\pi$ radians = .....	A. $0^\circ$ B. $90^\circ$ C. $180^\circ$ D. $360^\circ$
13	Question Image <input type="text"/>	A. -1 B. 1 C. 0
14	$1/2 \operatorname{cosec} 45^\circ$	A. $1/2\sqrt{2}$ B. $1/\sqrt{2}$ C. $\sqrt{2}$ D. $\sqrt{3}/2$
15	A part of the circumference of a circle is called:	A. A segment B. A sector C. An arc D. A radius

16	The symbol used to denote a second is:	<p>A. 1<sup>°</sup>, 1'</p> <p>B. 1<sup>°</sup></p> <p>C. 1"</p> <p>D. 1'</p>
17	$\frac{1}{1+\sin\theta} + \frac{1}{1-\sin\theta}$	<p>A. <math>2\sec^2\theta</math></p> <p>B. <math>2\cos^2\theta</math></p> <p>C. <math>\sec^2\theta</math></p> <p>D. <math>\cos\theta</math></p>
18	45° = _____ radian.	<p>A. <math>\pi/3</math></p> <p>B. <math>\pi/4</math></p> <p>C. <math>\pi/6</math></p> <p>D. <math>\pi/2</math></p>
19	1 minute = _____ degree	<p>A. 1/60</p> <p>B. 60</p> <p>C. 1/3600</p> <p>D. 3600</p>
20	90 degree makes _____ right angle:	<p>A. 2</p> <p>B. 4</p> <p>C. 1</p> <p>D. 3</p>