MULTIPLE CHOICE

Choose the correct answer from the following choices:

i. The circumference of a circle is called

- ◯ chord
- ◯ segment
- ◯ boundary

ii. A line intersecting a circle is called

- ◯ tangent
- ◯ secant
- ◯ chord

iii. The portion of a circle between two radii and an arc is called

- ◯ sector
- ◯ segment
- ◯ chord

iv. Angle inscribed in a semi-circle is

- ◯ $\pi/2$
- ◯ $\pi/3$
- ◯ $\pi/4$

v. The length of the diameter of a circle is how many times the radius of the circle

- ◯ 1
- ◯ 2
- ◯ 3

vi. The tangent and radius of a circle at the point of contact are

- ◯ parallel
- ◯ not perpendicular
- ◯ perpendicular

vii. Circles having three points in common

- ◯ over lapping
- ◯ collinear
- ◯ not coincide

viii. If two circles touch each other, their centres and point of contact are

- ◯ coincident
- ◯ non-collinear
- ◯ collinear

ix. The measure of the external angle of a regular hexagon is

- ◯ $\pi/3$
- ◯ $\pi/4$
- ◯ $\pi/6$

x. If the incentre and circumcentre of a triangle coincide, the triangle is

- ◯ an isoscenes
- ◯ a right triangle
- ◯ an equilateral

xi. The measure of the external angle of a regular octagon is

- ◯ $\pi/4$
- ◯ $\pi/6$
- ◯ $\pi/8$

xii. Tangents drawn at the end points of the diameter of a circle are

- ◯ parallel
- ◯ perpendicular
- ◯ Intersecting

xiii. The lengths of two transverse tangents to a pair of circles are

- ◯ unequal
- ◯ equal
- ◯ overlapping

xiv. How many tangents can be drawn from a point outside the circle?

- ◯ 1
- ◯ 2
- ◯ 3

xv. If the distance between the centers of two circles is equal to the sum of their radii, then the circles will	
◯ intersect ◯ do not intersect ◯ touch each other externaly	
xvi. If the two circles touches externally, then the distance between their centers is equal to the	
◯ difference of their radii ◯ sum of their radii ◯ product of their radii	
xvii. How many common tangents can be drawn for two touching circles?	
◯ 2 ◯ 3 ◯ 4	
xviii. How many common tangents can be drawn for two disjoint circles?	
◯ 2 ◯ 3 ◯ 4	

xvi.	
○ relation ○ antecedent ○ consequent	
xvii.	
○ relation ○ antecedent ○ consequent	
xviii.	
○ a proper fraction ○ an improper fraction ○ an equation	