Unit 13 Practical Geometry Circles

1	The circumference of circle is called	Chord	Segment	✓Boundary	None of these
2	A line intersecting a circle is called	Tangent	✓Secant	Chord	None of these
3	The portion of a circle between two radii and an arc is called	Segment	✓Sector	Chord	None of these
4	Angle inscribed in a semicircle is	✓$\frac{\pi}{2}$	$\frac{\pi}{3}$	$\frac{\pi}{4}$	None of these
5	The length of diameter of a circle is how many times the radius of circle	1	✓2	3	None of these
6	The tangent and radius of a circle at a point of contact are	Parallel	Not perpendicular	✓Perpendicular	None of these
7	Circles having three points in common	✓Overlapping	Collinear	Not coincide	None of these
8	If two circles touch each other, their centers and point of contact are	Coincident	Non collinear	✓Collinear	None of these
9	The measure of the external angle of regular hexagon is	✓$\frac{\pi}{3}$	$\frac{\pi}{4}$	$\frac{\pi}{6}$	None of these
10	If the incenter and circum center of a triangle coincide, the triangle is	An isosceles	A right angle	✓An equilateral	None of these
11	The measure of the external angle of a regular octagon is	$\frac{\pi}{8}$	✓$\frac{\pi}{4}$	$\frac{\pi}{6}$	None of these
12	The tangent drawn at the end points of the diameter of circle are	✓Parallel	Perpendicular	Intersecting	None of these
13	The lengths of two transverse tangents to a pair of circles are	Unequal	✓Equal	Overlapping	None of these
14	How many tangents drawn from a point outside the circle	1	✓2	3	None of these
15	If the distance between the centers of two circles is equal to the sum of their radii, then the circle will	Intersect	Do not intersect	✓Touch each other externally	None of these
16	If 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	None of these
17	How many common tangents can be drawn for two touching circles?	2	✓3	4	None of these
18	How many common tangents can be drawn for two disjoint circles?	2	3	✓4	None of these

Shape	No. of sides
Triangle	3
Quadrilateral	4
Pentagon	5
Hexagon	6
Heptagon	7
Octagon	8
Enneagon	9