Name: _____	**Subject:** Mathematics	**Class:** 10th	**Time:** 80 minutes	Total Marks:	**30**
Chapter No.11&12+Theorem 5	**MJDexpert.com**			Obtained marks	

Note: Please attempt any 10 short questions from Question 2. Also, attempt both parts of Question 3. Cutting and removal of any content is strictly prohibited.

Q.No.1: Choose the correct Answer. $10 \times 1 = 10$

1. A 4cm long chord subtends a central angle of 60°. The radial segment of this circle is;			
a) 1	b) 2	c) 34	d) Secant of circle
2. An arc subtends a central angle of 40° then corresponding chord subtends a central angle of:			
a) 20°	b) 40°	c) 60°	d) 900°
3. A pair of chords of a circle subtending two congruent central angles is:			
a) Congruent	b) Incongruent	c) Overlapping	d) Parallel
4. The semi circumference and the diameter of a circle both subtends a central angle of;			
a) 90	b) 180	c) 270	d) 360
5. The chord length of a circle subtended a central angle of 180° is always:			
a) Less than radial segment	b) Equal to the radial segment	c) Double of the radial segment	d) None of these
6. If a chord of circle subtends a central angle of 60°,then the length of chord and radial segment are:			
a) Congruent	b) Incongruent	c) Parallel	d) Perpendicular
7. The arcs opposite to incongruent central angles of a circle are always			
a) Congruent	b) Incongruent	c) Parallel	d) Perpendicular
8. The boundary traced by a moving point in a circle its____.			
a) Circumference	b) Diameter	c) Radius	d) Area

Q.No.2: Give the Short answer. $(6 \times 2 = 12)$

i.	What is mean by circumference of circle.
ii.	Define sector of circle.
iii.	Define Zone of Circle.
iv.	Define diameter of circle.
v.	Define circumangle.
vi.	Define Central angle.
vii.	Define Cyclic quadrilateral.

Q.No.2: Give the answer. $(8 \times 1 = 8)$

a)	Prove that two chords of a circle equidistance from the center of circle, are congruent.