	SHIKSI	HA C	;LA	SSES
Subject : Geometry Class : X	QUESTION PAPER 3. Circle		R	Total Marks : 20 Time : 1 Hour.
Q. 1 A) Choose the corr	rect alternative from Ob	jectives given	below.	(2)
1) Two circles of	radii 5.5 cm and 3.3cm res	spectively touch	each other. w	'hat is
the distance bet	tween their centers?)
a) 4.4cm	b) 8.8cm	c) 2.2cm	d) 8.8cm	or 2.2cm
2) $\angle ACB$ is insc	cribed in arc ACB of a circ	le with centre O	If $\angle ACB =$	65°,
find m(arc ACE	3).		Y	
a) 65 ⁰	b) 130° c) 2	d) 2	2300	
Q. 1 B) Solve any one o	f the following question			(1)
1) What is the dis 4.5cm? Justity	tance between two parallel your answer.	l tangents of a ci	rcle having rad	dius,
2) O is the centre measure of $\angle O$	of a circle. TA is the tange TA ?	ent to the circle a	t the point T.	What is the
Q. 2 : A) Attempt any one of the following questions				(2)
1) The distance be touching extern	etween the centers of two c hally is 19cm. Find the rad	circles touching i ii of the circles.	internally is 50	em and
\rightarrow Let r_1 and r_2 be ra	dii of circles.			
Distance between	center of internally touchi	ng circles is equa	al to differnce	ofradii
\therefore r ₁ -r ₂	= 5cm.			
\therefore r ₁ =5	+(i)			
Distance between	n centers of internally touch	ing circles is equ	ual to	
\therefore r ₁ + r ₂	=(ii)			
from (i) and (ii)				



