DCA CLASSES

CLASS IX – MATHEMATICS – CHAPTER 05 INTRODUCTION TO EUCLID'S GEOMETRY

Name:					Date:	
01 . The edges of a plane surface are.						
. ,	Line	(b). points	(c). Angles	(d). planes.		
O2. Given four points such that No three of them are collinear, then there exists.(a). 2 lines(b). 4 lines(c). 6 lines(d). 5 lines						
03 . One and only one line passes through. – Distinct points.						
	one	(b). two	(c). Three	(d). four.		
04. If equals are added to equals. The wholes are –						
(a).	equal	(b). not equal	(c). Doubled	(d). none of these.		
Q01 . If A, B and C are three points on a line and B is between A and C, then prove that. AC- BC = AB Q02 . In given fig AC = BD, then prove that AB=CD						
QUZ. III	i given ng Ac	. – во, then prove th		B C D	AB=CD	
Q03. In given fig AB =CD prove that AC=BD						
Q04. How would you rewrite Euclid's fifth postulate.						
Q05. If a point C lies between two points A and B such that AC=BC, then prove that AC = ½ AB. Explain by						
drawing t <mark>he figure.</mark>						
Q06. Prove that An equilateral triangle can be constructed on any given line segment.						
Q07. If AB= PQ and PQ =XY then prove that AB = XY. Explain by drawing the fig.						
Q08 . Give a definition for each of the following are there other terms which need to be defined first? What						
	re they, and a). paral <mark>lel li</mark>	how might you defin		perpendicular lines		
	c). line s <mark>egm</mark>			adius of a circle		
	e). squa <mark>re</mark>		(0).			
•	109 . Which of the following statements are true and which are false Explain.					
	(a). Only one line pass. Through a single point					
((b). Ther <mark>e are an infi</mark> nite number of line <mark>which p</mark> asses through two distinct points.					
(c). A terminated line can be produced indefinitely on both sides.						
		cles are equal, then t		. в	Q	
(e). In fig AB=	PQ and PQ=XY, then	AB=XY.			
					/ /	
					/	
					/	
				P	X'	