		GUJARAT TECHNOLOGICAL UNIVER BE - SEMESTER-1/2 EXAMINATION - WINTER 2017	RSITY	
	Sub	ject Code: 110013	Date: 10/01/2018	
	Sub	ject Name: Engineering Graphics		
		e: 10:30 AM TO 01:30 PM	Total Marks: 70	
	Instru	uctions: 1. Attempt any five questions.		
Q.1	(a) (b)	 Make suitable assumptions wherever necessary. Figures to the right indicate full marks. Draw a parabola, when the distance of the focus from the directrix A line AB,50 mm long, has its end A in both the H.P. and the V.P. the H.P. and at 45° to the V.P. Draw its projections. 		07 07
Q.2	explain BIS SP-46 engineering drawing standard.		2 0	
	(b)	Engineering graphics is a language of all persons involved in engineering activities. 0 Discuss the statement.		
Q.3	(a) (b)	ϵ		07 07
Q.4	Q.4 (a) Construct an Archimedean spiral of one and half convolutions given the shortest radii.		given the greatest and	07
	(b)			07
Q.5	Q.5 (a) A line AB 90 mm long is inclined at 30° to the HP. Its A is 12 mm be 20 mm behind the V.P. Its front view measures 65 mm. Draw the top determine its inclination with the V.P.			07
	(b)	A regular pentagon of 25mm side has one side on the ground. Its pat the H.P. and perpendicular to the V.P. Draw its projections a		07
Q.6	(a)	Figure 1. shows elevation and plan of a bracket, draw isometric pro-	ojection of the bracket.	07
	(b)	Figure 2. shows pictorial view of an object. Draw the following views using first angle projection method. (1) Top view (2) Right hand side view		07
Q.7	(a)	A triangular prism ,base 40 mm side and height 65 mm is resting on the ground on one of its rectangular faces with the axis parallel to the V.P. Draw its projections.		07
	(b)	Draw the projections of a hexagonal pyramid, base 40 mm side are its base on the ground and one of the base inclined at 45° to the V.I.	nd axis 65 mm, having	07

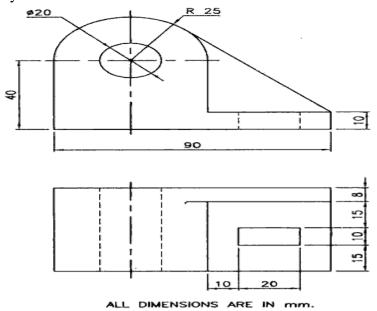


Figure 1 .Question 6(A)

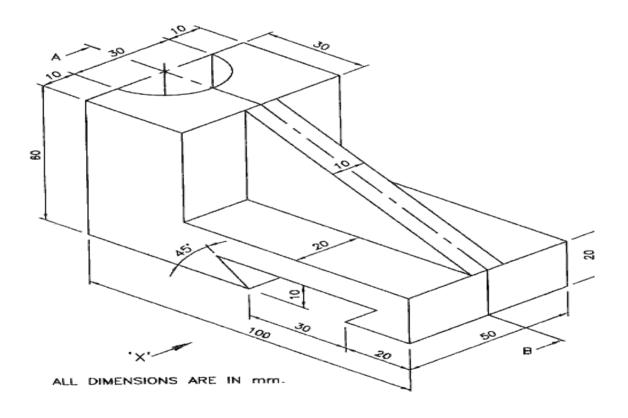


Figure 2 .Question 6(B)
