Reg	jistra	ation No :											
Tota	al Nu	ımber of Paç	-	emeste	er Back SURV			on 20	017-1	8		P	B.Tech CCE4205
		Answer Que Th	e figures	.1 which		: 3 Ho larks E : C' ompul and n	urs : 70 1176 sory nargi	and a	icate	mark		e rest	
Q1	a) b) c) d) e) f) g) h) i)	Answer the Define ill con In optical square Can you mea your answer. What is the pWrite the pring Give an example Reciprocal le Contour lines What is the model of the Define transit	ditioned tri lare, the twasure an are rinciple of nciple used nple of a le veling elim s may inter neaning of	angle.  yo mirro ngle of plane to to adju vel sur inates sect at 100 mr	ors are p 30° 20' v able sur ust closin face. the erron a point i m theod	with he weying ng erro r due to n case	lp of a ? r. o	prisn	natic d		<i>ss</i> . Jus	stify	(2 x 10)
Q2	a) b)	the tape with the following data.  Cross section of the tape= 4 mm², weight of tape material=0.0786  N/mm³,E=200 GN/m², The pull at which the tape is standardized is 100 N.						(5)					
Q3	a) b)	·								(5) (5)			
Q4	a) b)		ngles at A,	B, C ar BC 120 <sup>0</sup> 45	nd D. C 5' 2	D 230° 30	)'	DA 320°		ven b	elow. F	ind	(5) (5)
Q5	a)	To calculate made on a st Reading at the reading at the reading at the reading =1.7 bubble tube.	the sensiti aff held at ne left end 35 m, ne left end	vity of 50 m fr bubble bubble	a bubble from the =20, Re =10, Re	e tube, evel. eading	the for	right right	end b	oubble oubble	=10, s =20, s	taff taff	(5)

b) Explain indirect method of contouring

(5)

Q6 a) Explain method of reiteration for measuring horizontal angle.

(5) (5)

**b)** Describe the odolite traversing.

Q7

(10)

The page of an old field book is shown below. Some readings are not clear. Calculate these readings from the available data and do usual checks. Considering distance between two staff point is 30 m, calculate the gradient between A and F.

Staff Point	B.S.	I.S.	F.S.	Height of Collimation	R.L.	Remarks
Α					100.91	
В		1.085				
С		2.125				BM RL 100
D	1.315				101.26	
E			1.325	102.235		
F					101.61	

## Q8 Write short answer on any TWO:

 $(5 \times 2)$ 

- a) Use of theodolite
- b) Reciprocal levelling
- c) Plane table surveying by Resection method
- d) Elimination of errors in Chain surveying