Scheme & Solution Basic Surveying 18CV35

Subject Code: 18 C V 35 Subject Title: 15031C SWNEYING Marks Question Solution Allocated Number 1, a) Defination - 2 mail. Of classification based upon grestments-60 (p) Defination - smart 80 Skeich - 2 m (c) Dégimarion -2 m 02 2(a) Each notes 3 mats x2 06 (b) Fis: 03 marks 05 PT= P52.7R+PR2XDT 230mm DR 57.7R 10 Om PT= [1502/100+2302775 -75X100 PT=167.41m (c) Fis - 2 maxks }

Subject Code: 18 CN 35 Subject Title: Balic & wo veying Marks Question Solution Allocated Number 3(a) 06 Difference bet of them each 2mx 3no (b) Fis-2 mark- calculation-500 (heck 1m OP LA = 590300 LB=118030' LC= 2560 LD = 200300 LB = 850 300 Check = 540° (c) Detn = 1 Derevisor germation = 03 06 Reason = 9 4(a) Deto - 500 Liber - 500 (p) Detu - 5w. £18.5w. procedure 4m (_c) Let length EA = 1 Bearing = 0 1 cos9=-87.66 June = -0.73 EA= 1/87.862+0.732 = 87.86m 0 = fort &D = 100-73 = 0028 8 W 02 · · · 9 = 180° 28' 04 Each term small X4 5(a) Defor - fis-proof - 2+2+2 (6)

Subject Title: Paric 8 wowey in 8

Subject Code: 18 CV 35 Marks Ouestion Solution Number Allocated 32 RL BS HI Rem IS FR 199.500 195.500 1 4.00 3.565 2 195.935 3.995 197.655 195.505 (PJ 2.150 08 2.415 195.240 Bm 1.665 195.990 -3.115 200.770 2.565 198. 700 195.099 CP2 3.610 1.715 196.985 € 9.760 8.275 Check 9.760-8.275=196.985-195.500 07_ 1.485 = 1.485 6(0) each notes 2 mais x = 3-0.6 (b) stary -2 man + procedure 4 m (c) Disto in level H= (2.545-1.625) +(1.405-0.725) 02 QL. of B-, 100.150-0.8 = 99.35 1) pposon+ diffo = 2.845- 1.625 = 0.920 on 02 Ennor due to (wn. & Refr = 0.06 +3 x1)= 0.06 +3 m Error in observation = 0.92-08=0.12 collimation error = 0.12-0.06735 = 0.05265 04 00 = Jun 0.05261 = 00 @ 101,86 module - 4 7 (a) Radiation & Intersection method with fro. 5+5 10 (b) Defn - 2m. 10 Diagram - 2m procedure - 6

Question Number	tle: Casic Swreying Subject Code: 180	Marks Allocated
8 (a)	Each short notes 2 m x3 -	06
(b)	conterimo Levelino observation	06
(C)	Advantages 4 points 3 -	08
9 (9)	nsez -600 }	08
(b)	01	
	Trepezoidal rule V= d (= 2 + A2+ A2+ A3+ A4) V= 6852-8003	3
	proismoidal rule V = \$\frac{1}{3} \left(\text{Art As}) + 4 \left(\text{As} + \text{A} + \text{A} \right) + 2 \left(\text{As} \right) \right] V = 6 \frac{1}{2} \text{3.2 ms}	3
0(4)	Each definingation 1mx4	04
	Deto -2m +18-3 Anchor, Anchor point, Tracing Arm.— Tracing point, Integrating unity.	- 12
(6)	C=0 N=1. A=M (FR-IR ±10N+C).	- 04

End of Scheme & Solution Basic Surveying 18CV35