

Civil

College Of Engineering
S.Y B Tech Civil
End Semester Examination April 2013
Surveying And Photogrammetry

Time 3 Hrs

Max Marks 50

Instructions

Assume suitable Data if Required
Use of non Programmable Calculator is allowed
Draw neat sketches

- Q1. a] Mention least count of any three Instruments used for Surveying 3 marks
B] what are the sources of error in compass survey 7 marks
- Q2 a] Write any three characters of contour 3 marks
B] The following consecutive readings were taken with a 4 m leveling staff on continuously rising ground at 10 m interval 3.995,3.00,2.850,1.995,0.555,1.255,0.565,1.225,0.650 and 0.305.consider bench mark as 100 m and calculate reduced levels using any method 7 marks
- Q3 a] Explain temporary adjustments of Dumpy level 3 marks
B] Write short note on GIS AND GPS 7 marks
Or
Write short note on Total Station
- Q4 a] Draw sketch for any three instruments used in plane Table Survey 3 marks
B] Explain the procedure for Average ordinate Rule, Trapezoidal Rule and Simpsons Rule
Or
Convert the bearings from W.C.B TO Q.B AND Q.B TO W.C.B
260.5 , 30.5 , 91
N 30 E, N 30 W , S 40 E and S 40 W 7 marks
- Q5 a] Classify types of surveying 3 marks
B] Write a note to explain how photogrammetry is an alternative tool for surveying 7 marks