SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA

SEMESTER END EXAMINATIONS (REGULAR) NOVEMBER-2016

B.PLANNING I YEAR I SEMESTER

SURVEYING AND PHOTOGRAMMETRY (BPLN106)
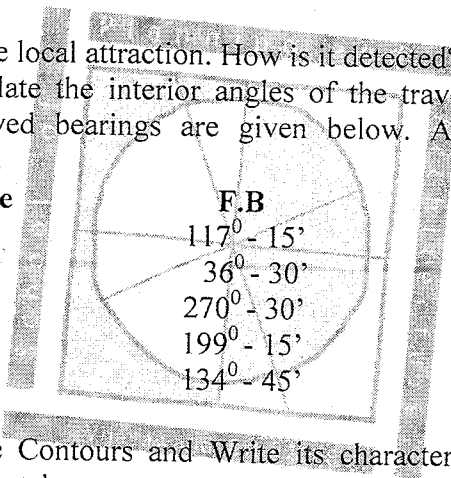
Maximum Marks – 50   **Time – 2.00 Hours**

a) *Answer any Two questions out of 1to 4 questions.*
b) *Question No.5 is compulsory and answer any four out of six sub-questions.*

Q1. a) List the equipment used in chain surveying with its function.   5M

b) Write about, how to overcome the obstacles in chain surveying with neat diagrams.   10M

Q2. a) Define local attraction. How is it detected?   5M

b) Calculate the interior angles of the traverse whose observed bearings are given below. Apply usual check.   10M

Line	F.B	B.B
AB	117^0 - 15'	297^0 - 15'
BC	36^0 - 30'	216^0 - 30'
CD	270^0 - 30'	90^0 - 30'
DE	199^0 - 15'	19^0 - 15'
EA	134^0 - 45'	314^0 - 45'

Q3. a) Define Contours and Write its characteristics with neat sketches.   5M

b) While carrying out leveling operation with a dumpy level and 4m leveling staff the following observations were recorded – 0.865, 1.630, 0.315, 2.130, 1.615, 2.160, 1.750, 2.105, and 1.380. The leveling instrument was shifted after 4th and 7th readings. The first reading was on a B.M. The R.L. of BM is 150.00m. Rule out a page of level field book and enter above reading in correct form and compute the reduced levels of the remaining points by using Rise and Fall method. And also apply checks.   10M

P.T.O

Q4. a) Write any five applications of Global Position Systems (GPS) **5M**

b) Write the uses and types of Photogrammetry with neat sketches. **10M**

Q5. Write short notes on any FOUR of the following: **(4x5= 20M)**

    a) Working Principal of Pantograph
    b) Geographical Information System(GIS)
    c) Component parts of Compass
    d) Use of Total station in Planning
    e) Photogrammetry applications in Urban and Regional planning
    f) Advantages of Plane Table Surveying

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