

SCHOOL OF PLANNING AND ARCHITECTURE, VIJAYAWADA
SEMESTER END EXAMINATIONS (REGULAR), NOVEMBER-2015

B.Planning, I YEAR I SEMESTER

SURVEYING AND PHOTOGRAMMETRY (BPLN106)

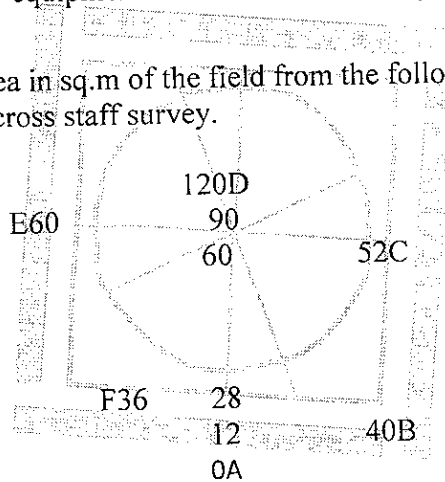
Maximum Marks – 50

Time – 2.00 Hours

- a) Answer any Two questions out of 1 to 4 questions.
b) Question No.5 is compulsory and answer any four out of six sub questions.
c) Explain each question with neat sketches.
d) Calculators permitted.

- Q1. a) Define surveying and write the principles of surveying. (5M)
b) List the equipment used in chain surveying with its (10M)
function.

- Q2. Find the area in sq.m of the field from the following notes (15M)
relative to cross staff survey.



- Q3. Calculate the interior angles of the traverse whose observed (15M)
bearings are given below.
Apply usual check

Line	F.B	B.B
AB	$107^{\circ}-15'$	$287^{\circ}-15'$
BC	$32^{\circ}-30'$	$212^{\circ}-30'$
CD	$280^{\circ}-30'$	$100^{\circ}-30'$
DE	$189^{\circ}-15'$	$9^{\circ}-15'$
EA	$124^{\circ}-45'$	$304^{\circ}-45'$

P.T.O

Q4. While carrying out leveling operation with a dumpy level (15M) and 4m leveling staff the following observations were recorded – 0.865, 1.430, 0.315, 2.430, 1.815, 3.260, 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 100.00 m. Rule out a page of level field book and enter above reading in correct form and compute the reduced levels of the remaining points. And also apply checks.

Q5. Answer any four of the following:

(4x5=20M)

- Planimeter.
- Global Position system (GPS).
- Electromagnetic spectrum.
- Use of Satellite Images in Planning.
- Contour line.
- Disomate.

