

Mahatma Education Society's

PILLAI'S COLLEGE OF ARCHITECTURE

Sector-16, Plot No.10, New Panvel- 410 206

SECOND YEAR B.ARCH: ANNUAL EXAM APRIL 2011

SURVEYING AND LEVELLING

Date:- 13/4/2011

Time: 2 hrs

MAX.MARKS 50

NOTES: 1) ALL QUESTIONS CARRY EQUAL MARKS.

2) SOLVE ANY FOUR FULL QUESTIONS.

3) SKETCHES ARE ESSENTIAL.

Q.1) a) Define 'Surveying' and state the objective of surveying.

b) State and explain "Principles of Surveying".

Q.2) Write a detailed note on 'Chain Surveying'.

Q.3) Describe in detail 'Obstacles in Chain Surveying' & draw sketches.

Q.4) Write a detailed note on 'Compass Traversing'.

Q.5) Write a detailed note on 'bearings' in surveying.

Q.6) What is 'Meridian' in Survey. State the types of meridians referred in Surveying.

Q.7) What are 'contours'. Write the characteristics of contours. Draw sketches for:

i) Inclined Surface. ii) A dry lake. iii) A hillock

Q.8) a) What is 'Plane Table Surveying'.

b) State the names of four methods of Plane Table Surveying and describe with sketch, any one method.