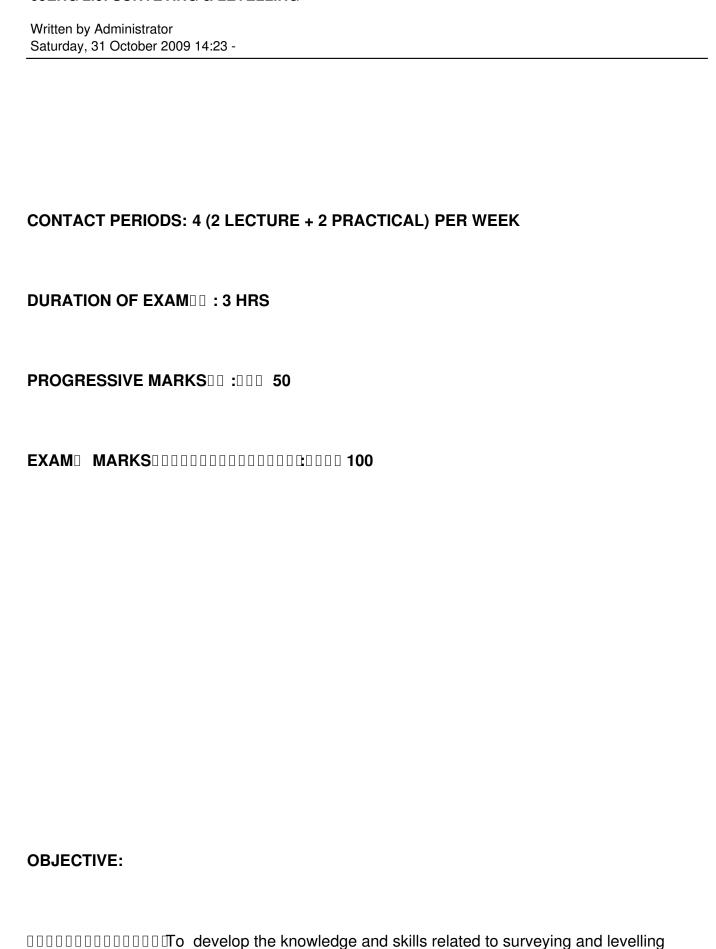
09ENG 2.6: SURVEYING & LEVELLING

principles and practice.



09ENG 2.6: SURVEYING & LEVELLING

Written by Administrator Saturday, 31 October 2009 14:23 -



Surveying – Definition, classification, principles of surveying, character of work, shrunk scale.

Chain Survey – Instruments used, Types of chain, Instruments for ranging. Setting out angles, erecting perpendiculars.

Field Work – Chain triangulation, recording and plotting, errors in survey.

Plane table survey – Plane table and accessories. Methods of plane table survey, Radiation, Intersection, traversing and resection, field problems.

Levelling – Definition, classification, booking and reduction of levels, longer levelling, errors

Theodolite – Study of instruments, definition of different terms, temporary adjustments, uses, measuring horizontal and vertical angles, method of repetition, extension lines

Contouring – Characteristics of contours, direct and indirect methods of contouring, interpolation, uses of contours, setting out works such as centre lines of a building, grade for sewer, centre line of a bridge.

09ENG 2.6: SURVEYING & LEVELLING

Written by Administrator Saturday, 31 October 2009 14:23 -

References:

 "Surveying Vol I" by DR PC Pun 	ımia
--	------

2. "Surveying and Levelling (Part-1)" by Kanetkar TP and Kulkarni SV []