

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
BASIC CIVIL ENGINEERING

SEMESTER -II

TEACHING SCHEME	L=3; P/D=2; TA=0
EXAMINATION SCHEME	Theory = 3hours; Marks= 100
PRACTICAL / DRAWING	Internal evaluation marks: 20 External evaluation marks: 30 Total Marks: 50

(A) THEORY:

1. Introduction to Civil Engineering, relation of Civil Engineering to other branches of Engineering.
2. Surveying and measuring techniques, need and type of surveys, conventional signs, linear distance measurement through chain and tapes, angle measurement with compass, notation of bearings, concept of contours and contour surveys and contour mapping.
3. Introduction to buildings, building components such as foundations, masonry work, different types of doors, windows and floorings. Basic building materials such as stones, bricks, mortar, concrete, wood and its important Properties. Reading of building and plant layout, basic types of roads adopted for different purposes.
4. Concepts of environment and ecosystems, impact on environment, types of pollution and remedial approaches.

(B) PRACTICAL/DRAWINGS + TUTORIAL ASSIGNMENTS :

Based on the theory course prescribed above.

(C) REFERENCES:

1. Kanetkar and kulkarni, Surveying and Leveling, Publi. By Pune VIdyarthi, Griha Pune, 1981.
2. Sharma and Kaul, Textbook of Building construction, S. Chand & company, 1990.