

**VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT**  
**ENGINEERING DRAWING**

**SEMESTER -II**

<b>TEACHING SCHEME</b>	<b>L=2; P/D=4; TA=0</b>
<b>EXAMINATION SCHEME</b>	<b>Theory = 3hours; Marks= 100</b>
<b>PRACTICAL / DRAWING</b>	<b>Internal evaluation Marks: - 20</b> <b>External evaluation Marks - 30</b> <b>Total Marks - 50</b>

**(A) THEORY:**

1. Orthographic Projections of Solids : Study of Indian standards for Engg. Drawing, Simple solids like prism, Cube, Cylinder, cone, pyramid, sphere etc. with varying positions of axis with reference to principle plane, projections on auxiliary plane, sections of solids mentioned above, Interpretation of orthographic views and drawing of missing views, simple machine parts such as plumer blocks, brackets, fixtures etc.
2. Isometric Projections : principles of Isometric projection, Isometric views of simple solids and simple machine parts.
3. Development and Interpretation: Interpretation of simple solids such as cylinder, prism, cone and pyramid, curves of intersection, Development of surfaces of simple solids, prism and interpenetrating solids, problems on industrial pipe lines, hoppers, funnel and tanks.

**(B) PRACTICAL/DRAWING + TUTORIAL ASSIGNMENTS:**

Based on the theory course prescribed above.

**(C) REFERENCES:**

1. K.L Gopal Krishna, "Engineering Drawing", Subhas Publications, 1995.
2. N.D. Bhatt, " Engineering Drawing", Charotar Publishing house, 1989.
3. K. Venugopal, "Engineering Drawing Made Easy", Wiley Eastern Ltd., 1993.