

# **ENGINEERING GRAPHICS: YOUR ANIMATED NOTEBOOK**

## **(EGYAN)**

**(SNSCT)**

### **SYLLABUS COVERED**

#### **UNIT I (42 Questions)**

Projection of points, Projection of straight lines located in the first quadrant – Determination of true lengths and true inclinations - Projections of polygonal surface and circular lamina inclined to both the reference planes.

#### **UNIT II (19 Questions)**

Projection of simple solids like prisms, pyramids, cylinder and cone when the axis is inclined to one reference plane by change of position method.

#### **UNIT III (28 Questions)**

Sectioning of above solids in simple vertical position by cutting planes inclined to one reference plane and perpendicular to other – Obtaining true shape of section. Development of lateral surfaces of simple and truncated solids – Prisms, pyramids, cylinders and cones.

#### **UNIT IV (30 Questions)**

Isometric projection of simple solids, truncated prisms, pyramids, cylinders and cones. Perspective projection of prisms and pyramids by visual ray method.

Freehand sketching of multiple views from pictorial views of objects

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