

ENGINEERING GRAPHICS: YOUR ANIMATED NOTEBOOK

(EGYAN)

(APJAKTU)

SYLLABUS COVERED

Module I (38 Questions)

Orthographic projections of points and lines: Projections of points in different quadrants; Projections of straight lines inclined to one of the reference planes, straight lines inclined to both the planes; True length and inclination of lines with reference planes; Traces of lines.

Module II (16 Questions)

Orthographic projections of solids: Projections of simple solids* in simple positions, projections of solids with axis inclined to one of the reference planes and axis inclined to both the reference planes.

Module III (15 Questions)

Isometric Projections: Isometric projections and views of plane figures simple* and truncated simple* solids in simple position including sphere and hemisphere and their combinations. Freehand sketching: Freehand sketching of real objects, conversion of pictorial views into orthographic views.

Module V (22 Questions)

Sections and developments of solids: Sections of simple* solids in simple vertical positions with section plane inclined to one of the reference planes - True shapes of sections. Developments of surfaces of these solids.

Module VI (20 Questions)

Intersection of surfaces: - Intersection of prism in prism and cylinder in cylinder - axis bisecting at right angles only. Perspective projections: - perspective projections of simple* solids.

*Triangular, square, pentagonal and hexagonal prisms, pyramids, cones and cylinders.

PTO

Also Contains the following APJAKTU University Question Papers completely solved and animated:

- 1) First Semester B.Tech Degree Examination, January 2016
- 2) Second Semester B.Tech. Degree Examination, May/June 2016
- 3) First/Second Semester B.Tech. Degree Examination, July 2016
- 4) First Semester B.Tech Degree Examination, January 2017
- 5) Second Semester B.Tech Degree Examination, May 2017
- 6) First/Second Semester B.Tech Degree Examination, July 2017
- 7) First Semester B.Tech Degree Examination, December 2017
- 8) Second Semester B.Tech Degree Examination, April 2018
- 9) First/Second Semester B.Tech Degree Examination, July 2018