

Shantilal Shah Engg. College, Bhavnagar

Mechanical Engg. Dept.

EG(2110013) PAT Exam Syllabus (ODD Term 2018)(Civil/Mech./Prod.)

Sr. No.	Topics
1.	<b>Basics of Engineering Graphics</b>
2.	<b>Plane scale and diagonal scale</b>
3.	<b>Loci of Points:</b> Path of the points moving on Simple mechanisms, Slider crank mechanism, Four bar mechanism
4.	<b>Projections of Points and Lines:</b> Introduction to principal planes of projections, Projections of the points located in same quadrant and different quadrants, Projections of line with its inclination to one reference plane and with two reference planes. True length and inclination with the reference planes
5.	<b>Orthographic Projections:</b> Fundamental of projection along with classification, Projections from the pictorial view of the object on the principal planes for view from front, top and sides using first angle projection method and third angle projection method.

Subject Convener