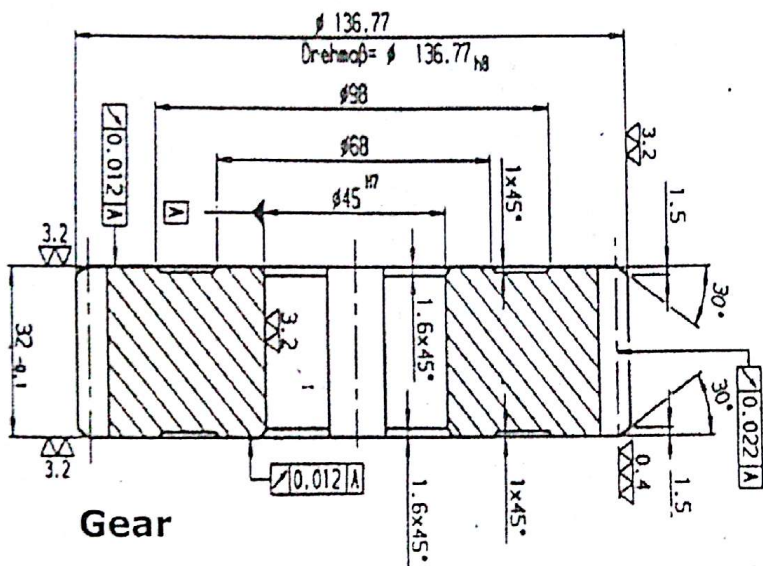


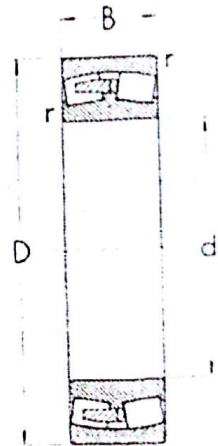
Machine Design & Drawing : ME39602
Assignment Sheet No.-2

Mechanical Engineering & Manufacturing Sc. & Tech 3rd. Year (B.Tech. & Dual)

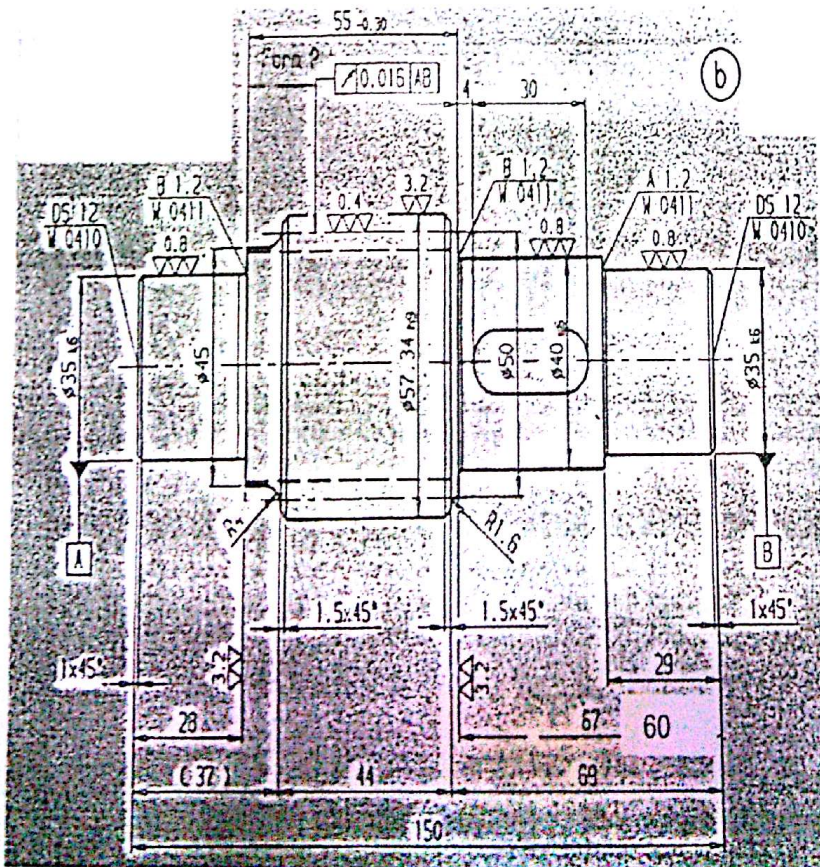
Draw the sub assembly view of an intermediate shaft of a reduction gear box with the detail dimensions of the gear and pinion shaft and schematic view of bearing shown below. The end bearings are identical spherical roller bearings (SKF 22207) of dimensions (d= 35 mm ; D=72 mm ; B=23 mm r= 2 mm).



Gear



Bearing



Pinion with integral shaft

Note

**All Dimensions are in mm
except otherwise mentioned.**

**Adjust dimensions if
necessary.**