

Design of worm Gear (Assignment-4)

2011-12

1. Using a suitable schematic diagram explain the forces acting on worm gears. Also, define normal pitch, helix angle and efficiency of worm gear drive.

2012-13

1. Derive the expression for efficiency of worm wheel drive

2013-14

2. What is the importance of center distance in the design of worm and worm gear.

2014-15

3. Define the following terms used in worm gearing: (i) Lead; (ii) Lead angle; (iii) Normal pitch; and (iv) helix angle

2015-16

1. Define worm gearing with applications?
2. What kind of contact occurs between worm and worm wheel? How does it differ from other types of gears?

2016-17

1. What are the various forces acting on worm and worm gears?