

Design of IC engine parts (Assignment-7)

2007-08

1. Why I section is chosen for high speed IC engines?
2. Lubrication of small end bearing and crank pin bearing of connecting rod.
3. Two most usual causes of failure of crank shafts
4. Different types of piston rings
5. Stresses induced in a connecting rod.
6. Material and manufacturing of crankshaft

2009-2010

1. Design considerations of piston
2. Selection of type of IC engine
3. Valve gear mechanism of IC engine

2014-15

1. Explain the following in brief
 - Effect of piston crown thickness and diameter on heat flow,
 - Lubrication of piston rings,
 - Stress induced in connecting rod

2015-16

2. Why piston is made light weight?
3. What is SAE?
4. What is the purpose of valve spring?

2016-17

5. Explain the various types of cylinder liners.
6. Explain the various forces induced in the connecting rod.
7. What is the function of a connecting rod of an internal combustion engine?