

Internal Combustion Engines I. BSC Final Exam Topics

1. Structure and load of the cylinder block.
2. Cylinder liner, running surfaces.
3. Structure and load of the cylinder head.
4. Design, load and function of the head gasket.
5. Load of the cranktrain, gas and mass forces.
6. Mass balancing the cranktrain.
7. Torsions of the cranktrain, torsion damping
8. Thermal and mechanical load of the piston, piston design.
9. Load, types and function of the piston rings.
10. Load, types and function of the conrod
11. Load, types and function of the crankshaft
12. Load, types and function of the engine bearings
13. Ways to reduce mechanical losses in internal combustion engines