

Internal Combustion Engines II. BSC Final Exam Topics

1. Definition of charge, ways to improve charge
2. 4 Stroke engine valvetrains (arrangements, structures)
3. Load, function and design of valves
4. Design of rocker arms, cam followers, valve play adjustment
5. Valve spring types, design method
6. Variable valvetrain
7. Charging internal combustion engines: Turbocharging
8. Charging internal combustion engines: Dynamic, mechanical and other charging systems.
9. Cooling the internal combustion engines
10. Lubrication system