

Assignment-1

Sr.No	
1.	Classify Automobile Engine, Mention some application of engine.
2.	Explain Construction details of 4-stroke engine with sketch.
3.	Explain working principle of 4-stroke petrol engine and 4-stroke diesel engine.
4.	Explain valve timing diagram and actual indicator diagram of 4-stroke engine.
5.	Explain comparison of 4-stroke petrol engine & diesel engine.
6.	Define Octane number and Cetane number.

Assignment-2

Sr.No	
1.	Explain working principle of two-stroke petrol engine.
2.	Explain comparison of 4-stroke and 2-stroke engine.

Assignment-3

Sr.No	
1.	Explain with neat sketch carburetor working principle. State its limitation.
2.	Explain fuel feed system by neat sketch.
3.	Differentiate between LPG and CNG as fuel for IC engine.
4.	Explain MPFI system for petrol engine.
5.	Enlist types of carburetors and explain any of them with neat sketch.

Assignment-4

Sr.No	
1.	Explain fuel feed system of CI engine.
2.	Explain function of components of CI engine system.
3.	Explain common rail diesel injection system (CRDI) with neat sketch.
4.	Explain fuel injector & types of injection Nozzle.
5.	With a neat sketch explain the jerk pump type injection system.