

Question 1. What Is IC Engine?

Answer :

The internal combustion engine converts chemical energy into useful mechanical energy by burning fuel.

Chemical energy is released when the fuel-air mixture is ignited by the spark in the combustion chamber. The gas produced in this reaction rapidly expands forcing the piston down the cylinder on the power stroke.

Question 2. What Is 2-stroke Engine?

Answer :

A Two-stroke engine is an internal combustion engine in which the piston's two strokes are required to complete single thermodynamic cycle. 2-STROKE engine is designed by DUGLAD CLERK in 1880, the expansion and exhaust takes place during 2-Stroke of piston.

Question 3. What Is 4-stroke Engine?

Answer :

A four-stroke engine is an internal combustion engine in which the piston's four separate strokes are required to complete single thermodynamic cycle.

A 4-stroke engine is an internal combustion engine in which the piston completes four separate strokes—intake, compression, power, and exhaust—during two separate revolutions of the engine's crankshaft, and one single thermodynamic cycle.

Question 4. Definition Of Octane Number And Cetane Number?

Answer :

Octane No. - Octane number is defined as the percentage, by volume, of iso-octane in the mixture of iso-octane and n-heptane. It is the measure of rating of SI engine.

Cetane No. - Cetane number is defined as the percentage, by volume, of n-cetane in the mixture of n-cetane and alpha methyl naphthalene. It is the measure of rating of CI engine.

Question 5. Name The Main Steps Involve In 4-stroke I.c Engine?

Answer :

The steps involved here are:

- **Intake stroke:** The mixture of Air and Fuel, are drawn in.
- **Compression stroke:** Fuel vapor and air are compressed and ignition takes place.

Internal Combustion Engine Question And Answer

David Kirk



Internal Combustion Engine Question And Answer:

General Questions of I.C. Engines Shivendra Nandan, Prakash Sharma, Satyajeet Kant, An internal combustion engine ICE is a heat engine in which the combustion of a fuel occurs with an oxidizer usually air in a combustion chamber that is an integral part of the working fluid flow circuit In an internal combustion engine the expansion of the high temperature and high pressure gases produced by combustion applies direct force to some component of the engine The force is applied typically to pistons turbine blades a rotor or a nozzle This force moves the component over a distance transforming chemical energy into useful work This replaced the external combustion engine for applications where weight or size of the engine is important

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