

### 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

**WJ Hussar**



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## **Table of Contents Internal Combustion Engine Question And Answer**

1. Understanding the eBook Internal Combustion Engine Question And Answer
  - The Rise of Digital Reading Internal Combustion Engine Question And Answer
  - Advantages of eBooks Over Traditional Books
2. Identifying Internal Combustion Engine Question And Answer
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Internal Combustion Engine Question And Answer
  - User-Friendly Interface
4. Exploring eBook Recommendations from Internal Combustion Engine Question And Answer
  - Personalized Recommendations
  - Internal Combustion Engine Question And Answer User Reviews and Ratings
  - Internal Combustion Engine Question And Answer and Bestseller Lists

5. Accessing Internal Combustion Engine Question And Answer Free and Paid eBooks
  - Internal Combustion Engine Question And Answer Public Domain eBooks
  - Internal Combustion Engine Question And Answer eBook Subscription Services
  - Internal Combustion Engine Question And Answer Budget-Friendly Options
6. Navigating Internal Combustion Engine Question And Answer eBook Formats
  - ePub, PDF, MOBI, and More
  - Internal Combustion Engine Question And Answer Compatibility with Devices
  - Internal Combustion Engine Question And Answer Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Internal Combustion Engine Question And Answer
  - Highlighting and Note-Taking Internal Combustion Engine Question And Answer
  - Interactive Elements Internal Combustion Engine Question And Answer
8. Staying Engaged with Internal Combustion Engine Question And Answer
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Internal Combustion Engine Question And Answer
9. Balancing eBooks and Physical Books Internal Combustion Engine Question And Answer
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Internal Combustion Engine Question And Answer
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Internal Combustion Engine Question And Answer
  - Setting Reading Goals Internal Combustion Engine Question And Answer
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Internal Combustion Engine Question And Answer
  - Fact-Checking eBook Content of Internal Combustion Engine Question And Answer
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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