

# 23ME704 : Automobile Engineering

## Unit I

### Layout of Automobile, Fuel system, C.I Engines

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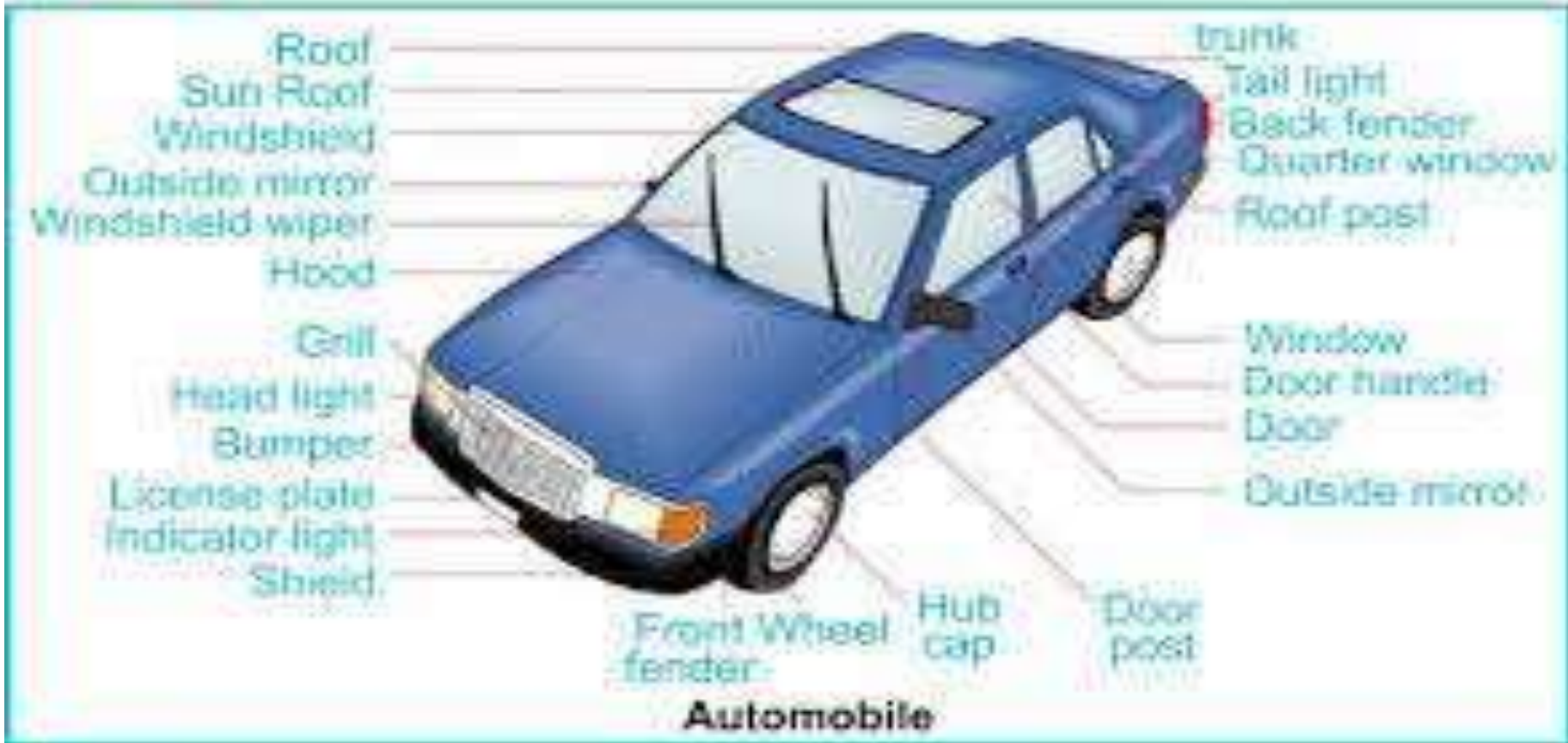
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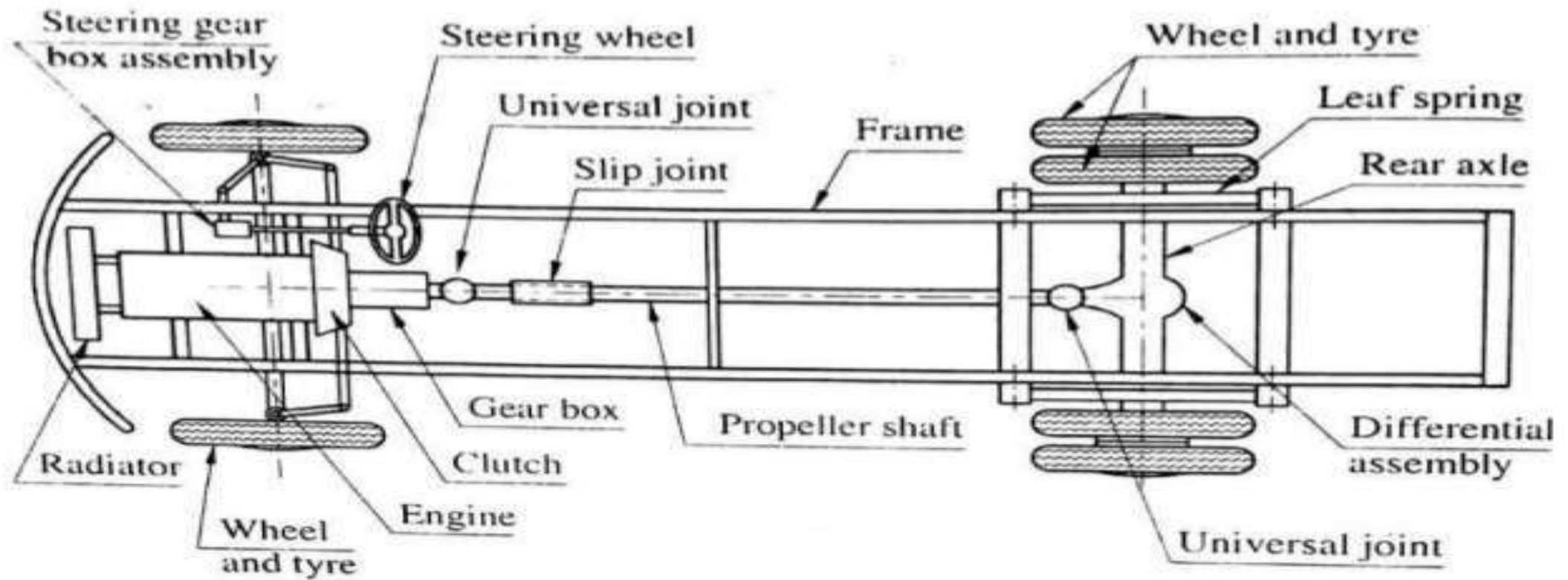
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An automobile is a usually four-wheeled vehicle designed primarily for passenger transportation and commonly propelled by an internal-combustion engine using a volatile fuel

📖 **feedback**



## SIMPLE CONSTRUCTION OF TRUCK CHASSIS



# Automobile

- What does the word mean?

Auto-

*"SELF"*

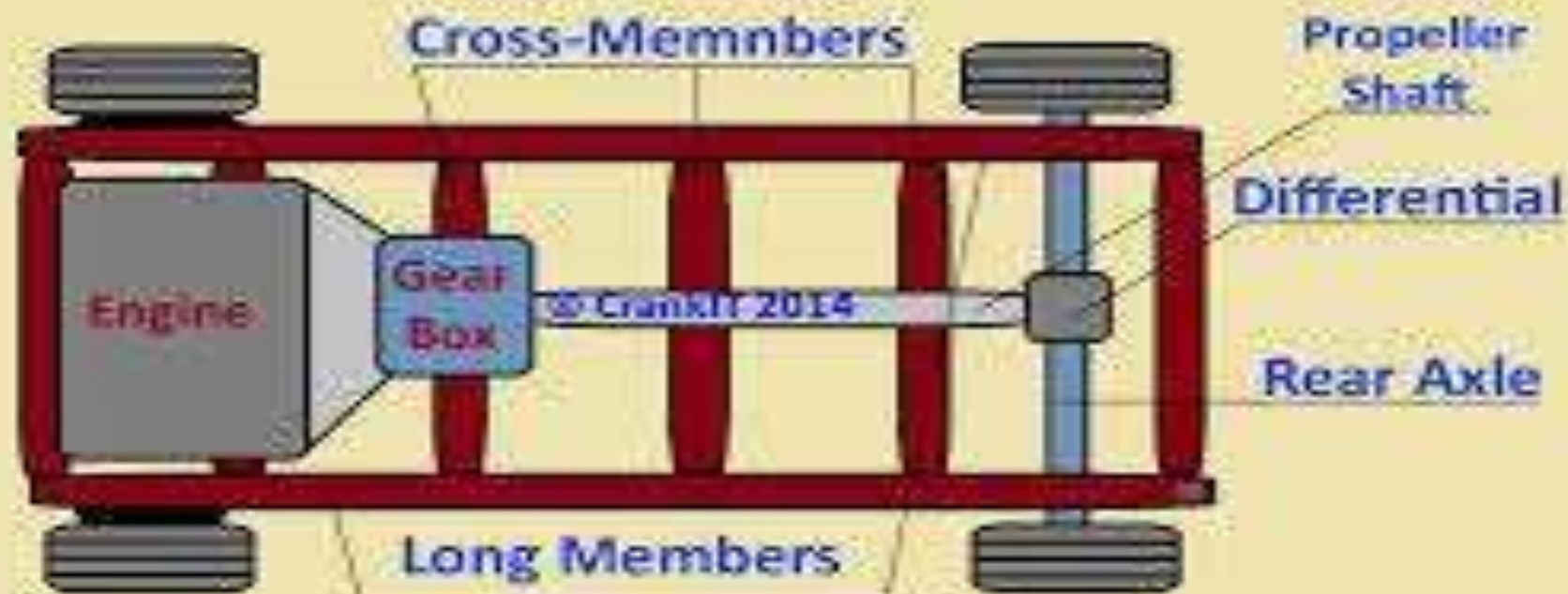
Mobile-

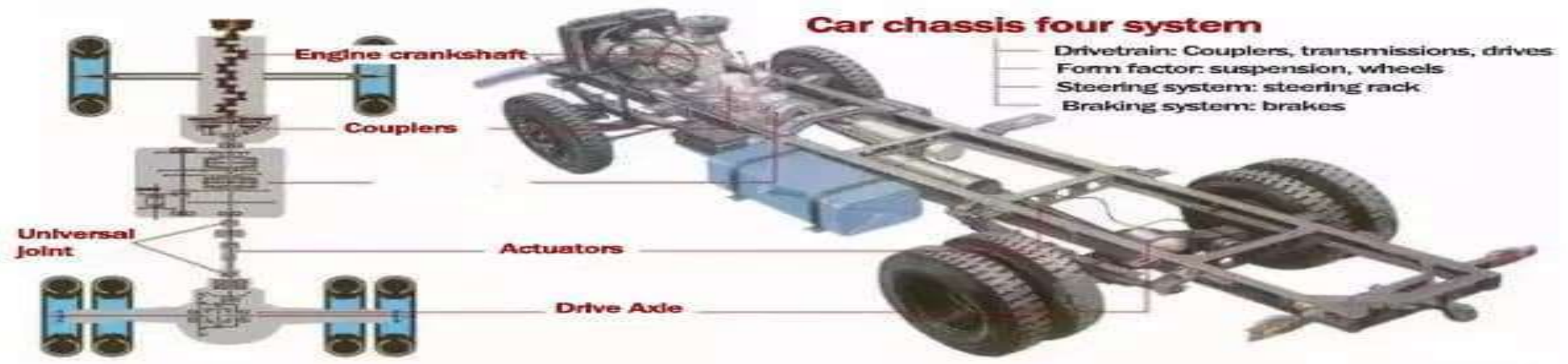
*"MOVING"*

- Definition:

A self-propelled passenger vehicle that usually has four wheels and an internal-combustion engine, used for land transport.

## Ladder Type Chassis Frame Layout





### Truck chassis



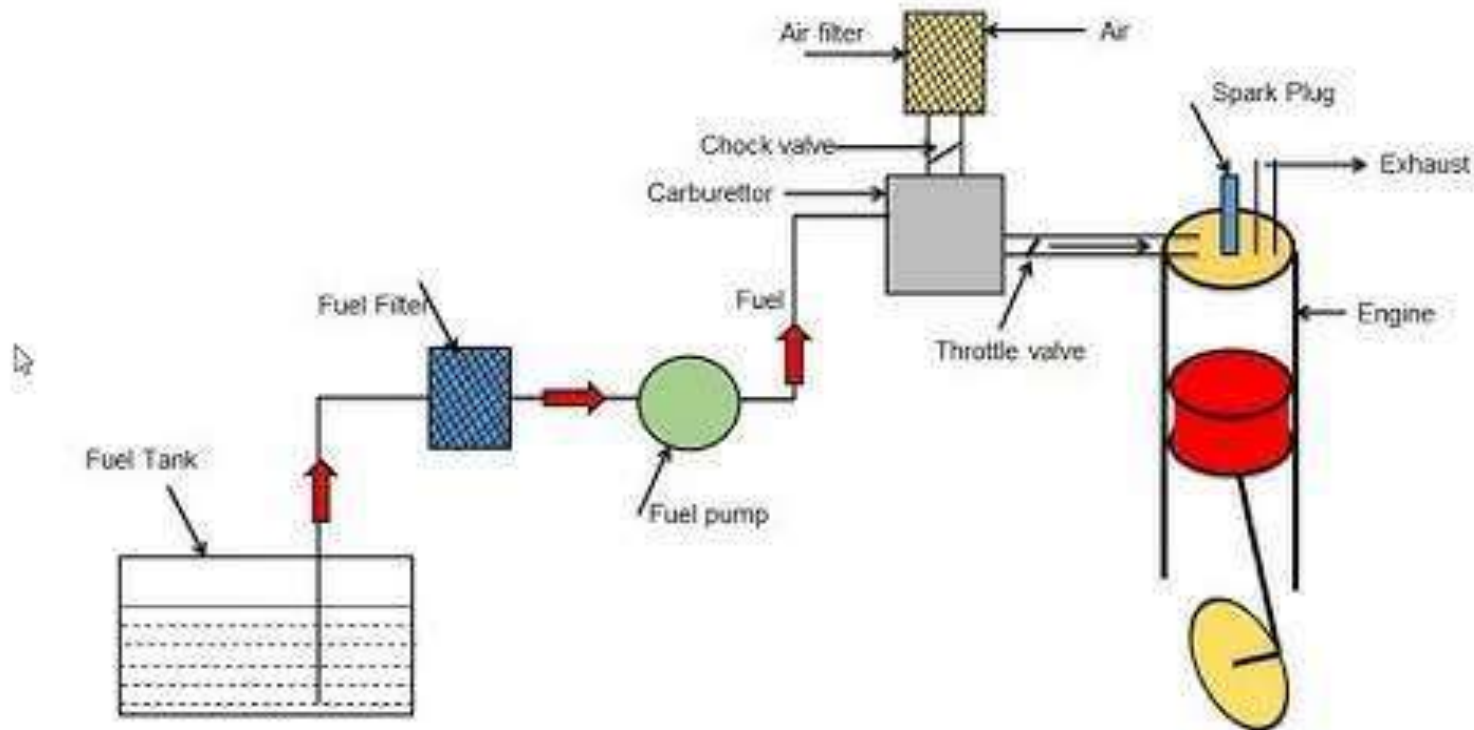
### Car Chassis

# Frame vs Chassis

## Comparison Table

Characteristics	Frame	Chassis
<b>Meaning</b>	The main structure of the chassis with all the other components fitted to it	The skeletal framework of a vehicle fitted with most of the mechanical parts
<b>Design</b>	Designed as the vehicle's body as everything else is fitted on it	Designed as the minimum requirement for any vehicle to move
<b>Components</b>	The chassis is attached to the frame	Other components including the tires, axle assemblies, steering, brakes, and the engine are fastened to it

# Fuel Supply System for Automobile



# Components of Diesel Engine

