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**Question:**

**(i) Define 'Gear Train'. State its purpose and types of gear train.**

**Answer:**

**Definition:** When two or more gears are made to mesh with each other to transmit power from one shaft to another. Such a combination is called gear train

**Purpose:** The purpose of the train used is

To obtain correct & required velocity ratio between driver & driven shafts.

To decide upon the relative position of the axes of shafts.

To decide upon amount of power to be transmitted between shafts

**Types:** Following are the different types of gear trains, depending upon the arrangement of wheels :

1. Simple gear train,
  2. Compound gear train,
  3. Reverted gear train, and
  4. Epicyclic gear train.
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