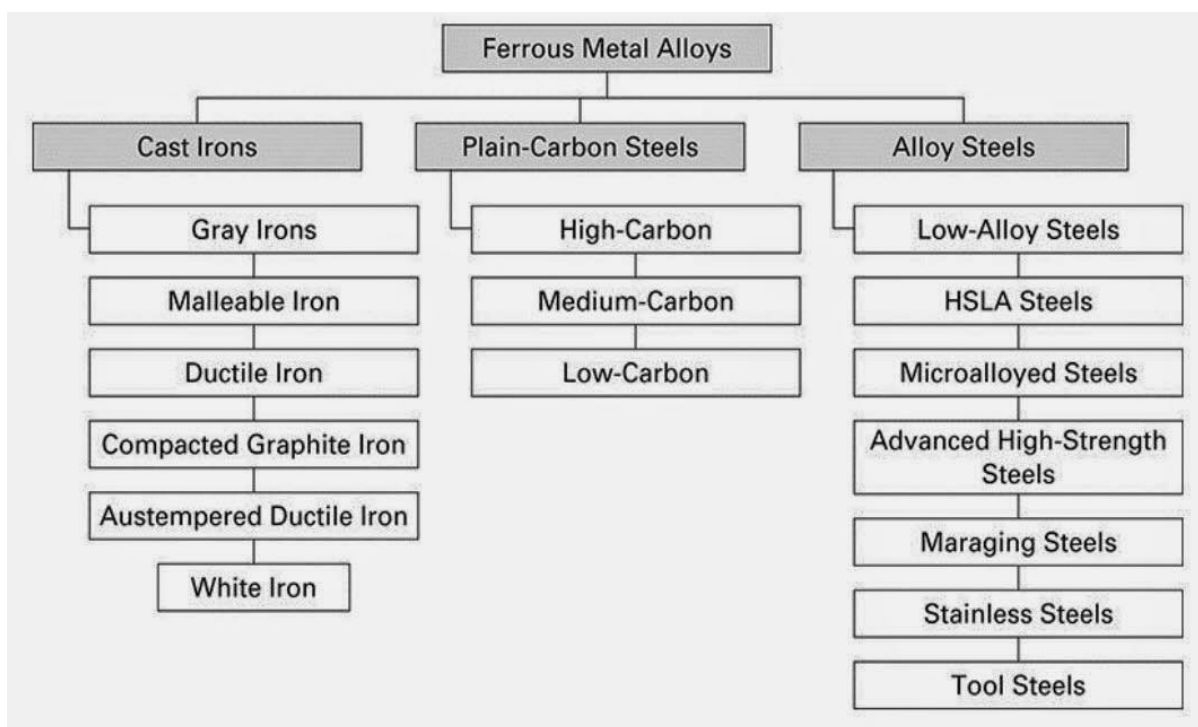


UNIT II- FERROUS ALLOYS

2.1 Introduction

Metals used for specific industrial applications are metal alloys and not pure metals. The different composition of the metal alloys are used to obtain the required properties.

Ferrous alloys are important engineering materials used for different applications. The major content present in the ferrous alloy is iron. The general classification of metal alloys is shown in fig.



Iron-Iron Carbon diagram is essential to understand the basic differences among iron alloys and control of properties.

- Iron above 1390 degrees is known as delta iron

Iron between 1390 and 910 degrees is known as gamma iron, Iron below 910 degrees is known as alpha iron.

