**Ammunition Classification**

1. Based on the Rim-
   1. Rimmed: dr – dc = 0.5- 1 cm
   2. Semi-rimmed: dr – dc = 0.25 cm
   3. Rimless: dr – dc = 0 cm
   4. Rebated: Deep grooves present
   5. Belted: Presence of belt instead of grooves
2. Main Charge-
   1. Burning Capacity
      1. Progressive charge: These charges keep burning even after reaching the peak point leading to the increasing pressure with constant energy. It undergoes segmented burning. They are present in multi-perforated and star shape.
      2. Digressive charge: These charges stop burning after reaching the peak point leading to the decrease in pressure and constant energy. They are present in disc, flakes and tube/ cylinder shapes.
      3. Constant Burning: These charges on reaching the peak point leads to maintaining constant pressure and energy. They are present in single perforated disc and evacuated tube/ cylinder shapes.
   2. Composition
      1. Black powder:

75% Potassium Nitrate

15% Charcoal

10% Sulphur

* + 1. Semi-smokeless powder

20% Nitrocellulose

60% Potassium Nitrate

12% Charcoal

8% Sulphur

* + 1. Smokeless powder
       1. Single Based

Nitrocellulose and Nitro-glycerine

* + - 1. Double Based
         1. Cordite

58% Nitrocellulose

37% Nitro-glycerine

5% Mineral Jelly

* + - * 1. Modified Cordite

30% Nitrocellulose

65% Nitro-glycerine

5% Mineral Jelly

* + - 1. Triple Based

Nitrocellulose, Nitro-glycerine and Nitroquanidine in equal amounts