* FURNACE
* CRUCIBLE FURNACE .
- Used for Low Melting point materials.
- Used for production of Non-ferrous materials.
- for small melting of material.
charge: Ore + flux + fuel
(Pig Iron) (Ca(O3)
D Cupola furnace:
- Used for melting big Iron.
- Large quantities of cost iron can be brookiced.
Electric Arc Furnage:
- Lorge quantities of ferrous materials time like isteel can be pastured
by melting his Iron.
(4) Induction furnace.
- For melting of ferrous & non-ferrous material, in small
and large quantities.
- Rate of welting is wight
- Space require months less.
- cost of meltiglis more.

Name of Candidate:

Rough Sheet:

Batch Time:

Various Stages in the manufacture of different ferrous products Ore from Mines. Crushing and Riddling. Magnetic Separation. Blak Roasting. HUX) homace I Coke Blast furnace. Pig Iron. Cupola. cupole. Castings Controlled Graded of Iron White Grey Cost Iron. Cast Wrought Malleable Iron Iron Castings

Blast furnece * Iron Ore + flux -> Stone / Dolomik. -> Pig Iron + Slag. [impunities] * Height of fumace=30m line * Refrectory lines Uppey Can bear temp-upto 2000°C * Pre-heated air 90000 Strikes with TUOYERS Stair Ore and fresh air create a Pre-notair blast fumace, is called blast fumace. & Lorgest Blast furnace in U.K.

Largest Blast furnace in U.K. Capacity = 60,000 tonnes / week A Hot air burns coke, produce co.

10 mer reduction Zono.

200 1 200 200.

Mot air + Carbon Content - Carbon Mono: -oalde * High temp. decomposes Limestone, zone > 350°C-700°C (B) Ca(O3 → CaO + Co2' (i) Ca0 + SiO2 -> CaS103. impunities. Calcium Silicate. other impuntes. (iii) Fe, 03 + 3C -> 2Fe + 3009. [305+Mn02/5102] Dusion Zono.