Registration No₂:			210			210			210				210		210
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		Answer Questio The fig	n No.1 ures in	which	is co	mpuls	sory a		_			the i	rest.		
Q1	a) b) c) d) e) f) g) h) i)°	Answer the following questions:  Define ferroalloy & state the classification of Ferro alloys.  Distinguish between Ferro-chrome and charge chrome.  Distinguish between carbothermic reduction and metallothermic reduction.  What is decarbonisation of solid ferro-chrome?  Deoxidisers are used in the form of ferro-alloys, -Justify.  What is secondary voltage in Ferro alloy furnace?  Mention two uses of Ferro manganese.  State one problem faced and its remedies in Indian ferroalloy industry.  Mention the off-gas dedusting techniques adopted in Ferro alloy plants.  Name four Ferro alloy producing companies in India.												2 x 10)	210
Q2	a) b)	Distinguish betwe Draw Fe-Cr equil production.												(5) (5)	
Q3	<b>a)</b> 210 <b>b)</b>	Discuss about the diagram.		210		2	210		hel	<b>p</b> of	equi	libriur	<b>n</b> 210	(5) (5)	210
Q4	a) b)	What do you mea Discuss the differ processes to prod	ent char	acteristi	cs of						ic rec	luctio	n	(5) (5)	
Q5	a) b)	Discuss the physical Discuss various melting.										g FeS	210 <b>Si</b>	(5) (5)	210
Q6	a) b)	What is prebaked Explain how electap time.									upon	tap t	0	(5) (5)	

Describe the influence of slag composition, thermal effect & powder particle size in aluminothermic reduction to produce ferro alloys.

Write short answer on any TWO:

Soderberg electrode

**d)** High carbon Ferrochrome

Submerged EAF

c) Ferro vanadium

(10)

(5 x 2)

Q7

Q8

a)

b)