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210	210 Ansv	CORROS BRAI ver Question No	Max Ma Q.COD	ADATION OF ETTA, MME, I 3 Hours arks : 70 E : E347 mpulsory and	MATERIALS PLASTIC		210
210	210	-	wer all parts of a	-		210	210
	Q1. aj b c 210 d	<ul> <li>What is the taseries?</li> <li>Why corrosio concentration of What do you m</li> </ul>	nean by passivity?	etween EMF a	-		
210	210 e f) g h i) j)	<ul> <li>What is galvan</li> <li>Write an expre</li> <li>Justify the stat high".</li> <li>What is Pilling- Why pits are g</li> </ul>	lic effect? ssion for corrosior ement " <i>small anoc</i>	de to cathode ra	210 atio, corrosion ra	210 te is	210
210	Q2.	Explain inter-g methods.	er-granular corrosion of stainless steels and prevention			ation 210 (10)	210
	<b>Q3.</b> What is sensitization? Explain the mechanism of sensitization with suitable example and mention some prevention methods.					with <b>(10)</b>	
	Q4.	<b>Q4.</b> Describe the activation polarization and concentration polarization.					
210	Q5.		Explain the mechanism of by-metallic corrosion. Suggest suitable prevention methods.				210
	<b>Q6.</b> Explain the mechanism of auto-catalytic process of pitting corrosion and factors affecting on it.					sion <b>(10)</b>	
210	<b>Q7.</b> 210		ess corrosion cracking? Explain the mechanism and nethods with suitable examples. 210 210 210 210			and (10) 210	210
	<ul> <li>Q8. Write short notes on any TWO :</li> <li>a) Anodic protection</li> <li>b) Pour box diagram</li> <li>c) Cathodic inhibitor and anodic inhibitors.</li> <li>d) Chemical degradation of ceramics and plastics</li> </ul>					(5 x 2)	
210	210	210	210	210	210	210	210

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