

C16-A-AA-BM-CHST-AEI-

CHOT-M-RAC-CHPP-EE-CHPC-EC-PET-C-CM-MET-MNG-TT-IT-104

6004

BOARD DIPLOMA EXAMINA

Instructions:

- question carries **three** marks.

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	%.	Write any three disadvantages of using hard water in industries.	
	7.	Define plastic. Write any two advantages of plastics over traditional materials.	1
	8.	State any three chatacteristics of good fuel.	
	9.	Define primary pollutant and secondary pollutant. Give examples	3.
	10.	PARTAB PARTAB 10 ctions: (1) Answer any the questions. (2) Each question carries ten marks. (3) Answers should be comprehensive and criterion to the comprehensive and criterion to the comprehensive and criterion.)×5=50
	Instruc	valuation is the content but not the length of the answer	er.
	11.	(a) Explose Aufbau's principle with a suitable example. (b) Define ionic bond. Explain the formation of ionic bond in SNaCl.	5 n 5
	- X-	(a) Define Normality. Calculate the normality of 500 ml of solution containing 9.8 grams H_2SO_4 (M. Wt. of $H_2SO_4 = 98$).	n 5
V. V.	ĺν.	(b) Explain Bronsted-Lowry theory of acids and bases.	5
*	13.	(a) Define the following: (i) Mineral (ii) Ore (iii) Gangue (iv) Flux (v) Slag	5
		(b) Explain roasting and smelting process of ore.	5
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14.	(a) State and explain Faraday's laws of electrolysis.	6
	(b) A current of 0.965 amp is passed through a solution of $AgNO_3$ for 10 minutes. Calculate the weight of silver deposited on the cathode (At. Wt. of Ag is 108).	4
15.	(a) What is Rust? State the factors which influence the rusting of iron.	5
	(b) Explain impressed voltage method.	5
16.	\sim	5
	temporary and permanent hardless? (b) Define reverse osmosis. State any two applications of reverse osmosis. (a) Write the preparation and uses of (i) PVC and (ii) Polystyrene. (b) Write any four characteristics of vulcanised rubber. (a) Define any pollution. Explain any four causes of air pollution. (b) Write short note on (i) Greenhouse effect and (ii) Ozone layer	5
17.	(a) Write the preparator and uses of (i) PVC and (ii) Polystyrene.	6
	(b) Write any four characteristics of vulcanised rubber.	4
18.	(a) Define a pollution. Explain any four causes of air pollution.	5
	(a) Define a pollution. Explain any four causes of air pollution. (b) Write thort note on (i) Greenhouse effect and (ii) Ozone layer depletion.	5
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