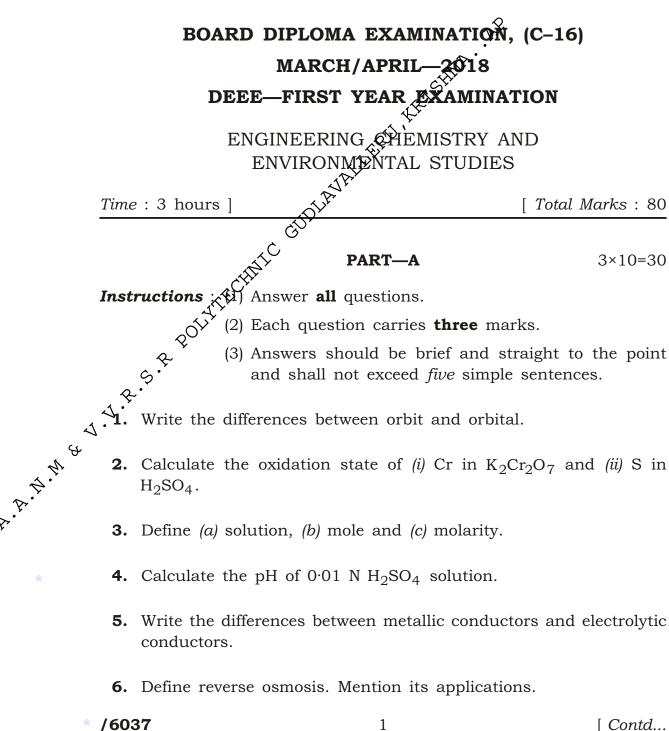


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- 7. (a) Define polymerization.
 - (b) Write the structure of natural rubber.
- 8. Mention the composition and uses of (a) water gas and (b) natural gas.
- 9. Write a short note on acid rain.
- 10. Define (a) receptor, (b) sink and (c) pollutation.

10×5=50

PART—B Instructions : (1) Answer any **five** questions. (2) Each question

- (2) Each question arries **ten** marks.
- (3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

			\bigcirc	
	11.	(a)	Write limitations of Bohr's theory.	3
*		(b)	Explain the formation of ionic bond in NaCl.	5
		(c)	Define covalent bond. Give two examples.	2
	12.	(ak	$\Sigma(i)$ Define molarity and (ii) Calculate the molarity of 10.6 gm	
	0	ંડું	of Na_2CO_3 present in 2 lt of solution.	5
	1.	, (b)	Explain the concept of Lewis acid and bases with examples.	5
	13 .	(a)	Explain the following terms :	6
			(i) Metallurgy(ii) Gangue(iii) Flux	
		(b)	Give the composition and two uses of <i>(i)</i> brass and <i>(ii)</i> German silver.	4
	14.	(a)	Write the differences between galvanic cell and electrolytic cell.	5
		(b)	Explain electrolysis of fused NaCl with a diagram and relevant chemical equations.	5
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[Contd...

* 15.	(a)	Explain sacrifical anode method of prevention of corrosion.	5
	(b)	Explain the mechanism of rusting of iron with chemical equations.	5
16.	(a)	State the disadvantages of using hard water in industries.	5
	(b)	Describe ion-exchange process of softening of hard water.	5
17.		Distinguish between thermoplastics and thermo-setting plastics.	5
	(b)	Write the characteristics of vulcatized rubber.	5
18.	(a)	Explain any five causes of air pollution.	5
	(b)	Explain the effects of water pollution on living and non-living things.	5
A.A.M.M.	S.	2 POLYMECTINE CUPL ***	
 		Explain the effects of Water pollution on living and non-living things.	

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