equivalent of Johowing are West

MgCL = 95 ppm, No CI - 36 ppm

Total No. of Questions: 6]

[Total No. of Printed Pages: 4

embriglement

mgg Se (EH-240 = (OOH) gM

B.E. Ist Semester (CGPA) Inform. Tech.

Examination, 2019

eacoaid insentes to Engg. Chemistry ou tenw (a)

the salient felot a Ti-raper filteration.

Time: 3 Hours

(c) Write shou note on princing a foaming (c)

[S] [Maximum Marks: 60]

[S] What is occan by antibooking? Write

Note: - Attempt all questions. Each questions carry equal marks.

1. Write short answer for the following:-

2×5=10

- (a) How anion exhanger can be regenerated.
- (b) Why n-heptane rated as octane Number '0'.
- (c) What is calgon conditioning
- (d) What is PVC in parts. (a)
- (e) Thickness of ozone layer decreases in sun light.

EH-240

(1)

OPPIO

UITians

Distinguish between boiler corrosion and caust	ic
	5
) 3
equivalent of following analysis.	5
$MgCl_2 = 95$ ppm, Na Cl - 56 ppm	
$Mg (HCO_3)_2 = 62 ppm, SiO_2 - 32 ppm$	
$CO_2 = 44 \text{ ppm}$	
OR COLOR	
	ISS
the salient features of slow sand filteration.	7
(b) Write short note on priming n foaming	3
(a) What is meant by antiknocking? Write short note on to	et-
raethyl lead	5
(b) What do you know about proximate analysis of coa	1?
Write about the valatile matter analysis.	5
OR	
	is
cuss the process of carbonization.	6
	MgCl ₂ = 95 ppm, Na Cl - 56 ppm Mg (HCO ₃) ₂ = 62 ppm, SiO ₂ - 32 ppm CO ₂ = 44 ppm OR (a) What are the various steps of water treatment? Discutthe salient features of slow sand filteration. (b) Write short note on priming n foaming (a) What is meant by antiknocking? Write short note on to raethyl lead (b) What do you know about proximate analysis of coal Write about the valatile matter analysis. OR (a) What do you understand by the term carbonization? D

	(b)	Draw a schematic neat diagram for fluid bed catalytic	
	ATE AT	cracking 4	
4.	(a)	What are the extreme pressure additives? Define the	
		condition for Extreme pressure librication?	5
	(b)	Explain why a copper equipment shall possiss a same	1
		steel bolt.	3
	Mac	tigar et thun a forest or	
	(a)	Define and give significane of the following.	5
		(i) Viscosity Index	
		(ii) Emulsification number.	
	(b)	What do you understand by a differential aeration ther	y
		of corrosion? Explain.	5
5.	(a)	Meation the possible cause for failure of a refractory.	4
1	(b)	Distinguish between	6
		(i) thermo Mostics and thermosettings	
		(ii) Addition and condensation polymerization.	
		OIR	
	(a)	Give composition of portland cement. What will be th	e
	¥.	impact of cement if sypsum is not added in it.	6
E	¥2	(3)).

(b) Write short note on compounding of rubber.	
6. (a) Write an elaborative note on ozone layer depletion. 5	
(b) What are the major adverse affect on SOx and CO on	
human heath. muses gaments is at nouncing 5	
In a seizeo Hade mamajun OR 1000 sydw nielgx H (d)	
(a) Write a critical note on global warming.	
(b) Write princple of IR spectroscopy and its application in	
analysis of the following branched (a) 5	
(i) Visopsity Index	
(ii) Smulsification tour ber	
(b) What do you understand by a differential aeration thery	
of conceion? Explain	
5. (a) Meabonth possible cause for failure of a refractory. 4	
(b) Distinguish between.	
(i) thermo Mostics and themosettings	
(ii) Addition and extrates a front polymericanies.	
(a) Give composition of postured estruct. What will be the	
impact of coment its pour is not added in it.	
EU 240	
(Copies 100	