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S.B. Roll No.....

APPLIED CHEMISTRY-II 2nd Exam/Common/2254/2451/5424/May 15

		Marks: 75
Not	te: Attempt all questions.	
	SECTION-A	
Q.1	A. Fill in the blanks. Each question carries one mark.	1x10=10
	J	
- II	. Chromizing is the process of depositingon iron by cementation.	
	number is used for rating diesel.	
IV	. Producer gas is a mixture ofand	
V		
VI	. A good refractories should haveporosity.	
VII		
VIII		
IX		
Х		
Q1E	3. State True or False. Each question carries one mark.	1x5=5
1		
- II	. Purity of metal increases corrosion.	
- 111	A good fuel has higher moisture content.	
IV	. All macro molecules are polymers.	
V	. All ores are minerals.	
SECTION-B		
Q2.	Attempt any ten questions. Each question carries three marks.	3x10=30
Ι.	5	
II.		
III.	What is water gas? Give its composition and uses.	
IV.	What is an enamel? Write constituents of enamel.	
V.	What are characteristics of good refractory material?	
VI.	1 31 1	
VII.	Name the various constituents of paint. Explain function of drying oil.	
VIII.	Explain vulcanization of rubber.	
IX.	What is Buna – S? Name the monomer used in the preparation.	
Х.	What is acid rain? Explain its harmful effect.	
XI.	Explain Green house effect and global warming.	
XII.	What is difference between cast iron, wrought iron and steel?	
XIII.	What are anti-knocking compounds? Give two examples.	
		Contd
	Section-C	
	Attempt any three questions. Each question carries ten marks.	10x3=30
1.	What are theories of corrosion? Explain the rusting of iron with the help of ele theory of corrosion.	ctro chemical (3+7)
2.	What are fuels? Explain calorific value of fuel. Also explain advantages of gaseous	· ·
	fuels.	(3+3+4)
3.	What are lubricants? Explain the following terms as applied to lubricants:	(2+4+4)
	a) Flash and fire points	
	b) Cloud and pour points	
Λ	What are composite materials? Cive example of natural composite. What are	advantagoous

- 4. What are composite materials? Give example of natural composite. What are advantageous characteristics of composites? (2+1+7)
- 5. What is meant by term passivation? Explain prevention by material selection and design?

(2+8)