SB	Roll	No

APPLIED CHEMISTRY-II 2nd Exam/Common/2254/Nov'18

Durati	on: 3Hrs. M	Marks:75
	SECTION-A	
Q1. Fil	l in the blanks. (Any ten)	10x1.5=15
	Flux + gangue =	
b.	Producer gas is a mixture of CO and	
C.	Viscosity of a lubricant with increase in temperature.	
	A good lubricant should have boiling point.	
e.	Annealing is the process to make steelin nature.	
f.	the pH, greater is the corrosion.	
g.	glass is used in making laboratory apparatus.	
h.	Silica is a type ofrefractory.	
i.	Nylon-66 is an example ofpolymer.	
	The monomer unit of PVC is	
k.	Units of viscosity are	
I.	A good fuel hascalorific value.	
m	is the major component of natural gas.	
	CECTION B	
∩ 2 ∧4	SECTION-B	10x3=30
	tempt any ten questions.	10X3=30
	How is biogas produced? Name its main constituents.	
	What are composite materials? Give an example.	
	Give applications of solid lubricants. Also give an example.	
	What is the purpose of making alloys?	
	Explain flash point and fire point of a lubricant.	
	What is the difference between thermoplastic and thermosetting polymers? Give one use of a) soda lime glass b) flint glass c) borosilicate glass.	
	Define polymerization and degree of polymerization.	
	What is the difference between erosion and corrosion?	
	Define calorific value of a fuel. Which variety of coal has the highest calorific	valuo2
	What are the advantages of gaseous fuels?	raiue:
	What are the advantages of gaseous ruers? What are the characteristics of a good refractory material?	
	Name the various constituents of paint.	
	Define the term galvanization.	
	Explain greenhouse effect.	
۸۷.	SECTION-C	
Attem	pt any three questions.	3x10=30
	Define: i) metallurgy ii) mineral iii) ore iv) gangue v) flux	5
	Give composition and uses of i) brass ii) bronze	5
	Explain the heat treatment methods to prevent corrosion of metals.	5
	Explain the process of cementation.	5
	What are the characteristics of a good fuel?	5
	Give composition and uses of a) water gas b) producer gas	3
	What are anti knock compounds? Give two examples.	2
	What are refractories? Explain its types with examples.	5
	What is enamel? What are the constituents and applications of enamels?	5
	Explain addition and condensation polymers with examples.	5
	What are the characteristics of a good lubricant?	5