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## **APPLIED CHEMISTRY**

## 2<sup>nd</sup>/common/2254/5424/Nov'15

	1.IVIarks=/5
NOTE: Attempt all questions	
SECTION- A	
Q. 1(A) Fill in the blanks	10x1=10
(i) The formula of copper pyrite is	
(ii) Oxide ores are concentrated byprocess.	
(iii) Slow and continuous decay of metal by mechanical force is known as	
(iv) Water gas is a mixture of	
(v) number is used for rating diesel.	
(vi) Lubrication is the process of decreasingin the machine.	
(vii) Pigment varnish is called	
(viii) Natural rubber is a polymer of	
(ix) Fibres arethan elastomers.	
(x) The major air pollutant is	
(B)State True or False	5x1=5
(i) The metals are electropositive in nature.	3X 1-3
(ii) A good fuel has low moisture content	
(iii) Grease is low viscous in nature.	
(iv) All macromolecules are polymers.	
(v) Acidic soil damages the crops.	
SECTION-B	
Q.2 Attempt any SIX questions	6x5=30
(i) Explain smelting and calcinations.	
(ii) What is erosion? How it is different from corrosion?	
(iii) What are the characteristics of a good fuel?	
(iv) What are the functions of lubricants?	
(v) Name various constituents of paint. Explain functions of a drying oil and thinner.	
(vi) What do you understand by homopolymers and copolymers?	
(vii) What are polymers? Give its applications.	
(viii) What is water pollution? Give the sources of water pollution.	
(ix) Define corrosion? What is the cause of corrosion?	
SECTION-C	
Q. 3 Attempt any FIVE questions	5x6=30
(i) Describe the composition and uses of Brass and Gun metal.	
(ii) Explain caustic Embrittlement and stress corrosion.	
(iii) What is producer gas? Give its composition and uses.	
(iv) Define fire point, flash point, emulsification, viscosity, cloud point and pour poin	t.
(v) What are refractories? Explain the types of refractories.	
(vi) Give the preparation and uses of Polythene and Teflon.	
(vii) Explain acid rain and global warming.	
(viii) Explain LPG and CNG.	