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B.Sc. Part- III Honours, Final Internal Assessment

Sub : CHEMISTRY(Analytical & Industrial)

Paper : XII, Time : 30 Mins, Full Marks : 20

Time : 10.00 A.M. to 10.30 A.M.

Answer all questions : 10X2=20

1 . Liquid petroleum gas mainly contains -----

- a) C₃ and C₄ hydrocarbons b) C₂ and C₃ hydrocarbons
c) C₅ and C₆ hydrocarbons d) C₇ and C₈ hydrocarbons

2 . Among the following which one is an input device ?

- a) Keyboard b) Monitor c) Printer d) CD-ROM

3. One of the natural plant insecticide is ----

- a) Allethrin b) Aldrin c) HCN d) Lead Arsenate

4. Portland Cement is greyish black due to the presence of ---

- a) Iron Oxide b) Calcium Oxide c) Zinc Oxide d) Nickel Oxide

5.----- paints usually contain protein dispersion ?

a)Luminous paints b)Latex paints c)Emulsion paints d)Marine paints

6.Which one is the main constituent of the Jena Glass --

a)Zn Borosilicates b)Mg Borosilicates
c)Both Zn and Mg Borosilicates d)Ca Borosilicates

7.Percentage of Nitrogen in Urea is ---

a)45% b)60% c)10% d)99%

8.the formula of Super Phosphate is ---

a) $\text{Ca}(\text{H}_2\text{PO}_4)_2$ b) $\text{Ba}(\text{H}_2\text{PO}_4)_2$
c) $\text{Mg}(\text{H}_2\text{PO}_4)_2$ d)Mixture of $\text{Ca}(\text{H}_2\text{PO}_4)_2$ and $\text{Ba}(\text{H}_2\text{PO}_4)_2$

9.The precipitation should be carried out in presence of an electrolyte to avoid ---

a)Co-precipitation b)Post-precipitation
c)Super saturation d)coagulation

10.In liquid-liquid chromatography the type of equilibrium exists ---

a)Adsorption
b)Ion exchange
c)Partition between surface liquid and mobile liquid
d)Partition between immiscible liquid

