KANCHI KALVI'S

CHEMISTRY - FULL PORTION QUESTION PAPER (2016-17) (LN – 9 TO 13 ONLY)

Class: **X STD**   Subject: **SCIENCE (CHEM)**   Marks:75   Time: 2.30hrs

SECTION – A (15 x 1 = 15)

I.**Choose and write the correct answer;**

1._____ is an example for non aqueous solvent.

2. An example of dehydrating agent is_____

3. An empty evaporating dish weighs_____

4. Copper is less reactive than_____

5. The most less reactive metal is_____

6. $CuO + H_2 \rightarrow Cu + H_2O$ is an example of ____ reaction

7. All combustion reactions are_____.

8. In acidic medium methyl orange gives __ colour

9. _____hydroxide is used as a medicine for stomach troubles.

10. Real Credit For Preparing Periodic Table goes to ____.

11. Fourth Period-Atomic Nos.(19 to 36)- from __ to Krypton

12. In 7th Period Only ___ Elements are Authenciated by IUPAC

13. The only LIQUID NON-METAL is ____

14. PARENT ORGANIC COMPOUNDS called as _____

15. Sodalime used in decarboxylation - to remove ____

SECTION – B (20 x 2 = 40)

II.Answer (any twenty) questions.

16. What are D.Phase and D.medium ?

17. N_2 in earth soil is a example for saturated soln? why?

18. Write the formula for solubility of a solid

19. State : HENRY'S LAW.

20. Write any 2 applications of Avogadro's law

21. Define gram atomic mass. Give an example.

22. Explain the terms in the equation $E = mc^2$.

23. How to arrive the value of Gram molar volume of oxygen

24. Define: Molar volume

25. What is called reactivity saries?

26. What are displacement reaction ? Give examples

27. Define the term acidity of a base

28. Hydrogen ions exists only in the form of H_3O^+ in H_2O – why?

29. Position of Hydrogen is not fixed till now-why?

30. What are the two stages involved in Ext.of Al

31. Silvery white metal burns in air at 8000c-Give eqn.

32. How is "MATTE" obtained?

33. Write the charges introduced in BLAST FURNACE with ratio

34. Give any two methods for preventing corrosion

35. Explain about FULLERENE

36. Carbon compounds have LOW melting and boiling pt. why

37. Write the IDENTIFICATION TEST for HYDRO CARBONS

38. What are FUNCTIONAL GROUPS ?Give egs

39. How will u prepare ETHANOIC ACID from ETHANOL?

40. Unlike ethanol,intake of methanol cause DEATH-Why?

SECTION – C (4 x 5 = 20)

III.Answer (any ONE) question from each options(A,B,C, & D)

A.41.(i) How will you deduce the atomicity of elementary gases? **(OR)**
   (ii) What is a molecule? Explain its types

B.42. (i) Explain RAM based on Hydrogen and carbon scale. **(OR)**
   (ii) Explain RMM based on Hydrogen and carbon scale

C.43. (i) Give any FIVE **CHEMICAL PROPERTIES OF ETHANOL** (**OR**)
   (ii) How is **ETHANOL manufactured** from **SUGAR MOLASSES**

D.44.(i) What is **Dehydration**? Explain its **Types** (**OR**)
   Give the **CHEMICAL PROPERTIES of ETHANOIC** ACID

PREPARED FOR THE BETTERMENT OF ALL CHILDREN

T.S.SARAVANAN

B.Sc(Chem),B.Ed.,M.A(Eng.Lit),M.Phil(Eng.Lit),B.A(His)

METTUR DAM (R.S),

SALEM (D.T), - 636402

EMAIL; **sharavananvepp@gmail.com**

For conversation: **8675509227,9042331256**