



SMART TEST SERIES

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Name:		Subject:	Chemistry-11
Roll # :		Unit(s):	2,
Class:	Inter Part-I	Test:	Type 8 - Short Test (No Choice) - Marks=30
Date:		Time:	

Q.1 Circle the Correct Answers.

(6x1=6)

- The drying agent used in a desiccator:
(A) AgCl (B) NH₄Cl (C) P₂O₅ (D) AlCl₃
- Drying agent used in crystallization is:
(A) P₂O₅ (B) Animal charcoal (C) KMnO₄ (D) Water
- Compound which undergo sublimation is:
(A) KmnO₄ (B) CaCO₃ (C) NH₄Cl (D) Na₂CO₃
- Solvent extraction method is particularly useful technique for separation when the product to be separated is:
(A) Non-volatile or thermally unstable (B) Volatile or thermally stable
(C) Non-volatile or thermally stable (D) Volatile or thermally unstable
- Chromatography in which the stationary phase is a solid is classified as:
(A) Partition chromatography (B) Gas Chromatography (C) Adsorption Chromatography
(D) Thin layer Chromatography
- A filtration process could be very time consuming if it were not aided by a gentle suction, which is developed:
(A) If the paper covers the funnel up to its circumference
(B) If the paper has got small sized pores in it
(C) If the stem of the funnel is large so that it dips into the filtrate (D) If the paper fits tightly

Q.2 Write short answers of the following questions.

(8x2=16)

- What is difference between qualitative analysis and quantitative analysis?
- Explain filtration through Gooch Crucible?
- Why sintered glass crucible is preferred over Gooch crucible?
- Why is there a need to crystallize the crudeproduct?
- Write four properties of ideal Solvent.
- What is sublimation? Give examples of substances which show sublimation.
- In solvent extraction technique, why repeated extraction using small portions of solvent are more efficient than using a single extraction but larger volue of solvent?
- What is difference between adsorption and partition chromatography?

NOTE: Attempt the long question.

(4+4=8)

- A solid organic compound is soluble in water as well as iun chloroform. During its preparation, it remains in aqueous layer. Describe a method to obtain it from this layer.
- You have provided with a mixture containing three inks with different colours. Write down the procedure to separate the mixture with the help of papr chromatography.