

CHEMISTRY-11	Chapter#02 Test-1 (First Half)		
	Name:	Class:	ID:
Date: / /	Marks Total: 25	Marks Obtained:	
Time Allowed: 35 Min.			

Maximum Marks: 09

(OBJECTIVE TYPE)

Time Allowed: 10 Min.

NOTE: Tick The Correct Option:

- i. 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.
- ii. The rate of filtration can be increased by using a _____.
 - (a) Filter crucible
 - (b) Filter paper
 - (c) Fluted filter paper
 - (d) None of these
- iii. A safe and reliable method for drying of crystals is:
 - (a) Filter paper
 - (b) Oven
 - (c) Vacuum desiccator
 - (d) Beaker
- iv. Silica gel can be used as:
 - (a) Oxidizing agent
 - (b) Hydrating agent
 - (c) Dehydrating agent
 - (d) Reducing agent
- v. A water insoluble organic compound aspirin was prepared in the laboratory. It will be separated from the reaction mixture by:
 - (a) Sublimation
 - (b) Crystallization
 - (c) Filtration
 - (d) Solvent extraction
- vi. Gooch crucible is made up of:
 - (a) Glass
 - (b) Asbestos
 - (c) Porcelain
 - (d) Plaster of Paris
- vii. In crystallization, the saturated solution should be filtered when it is:
 - (a) Cold
 - (b) Cool
 - (c) Warm
 - (d) Hot
- viii. The solution, left after the removal of crystals, is called:
 - (a) Precipitate
 - (b) Mother liquor
 - (c) Residue
 - (d) Filtrate
- ix. Those crystals can be dried in an oven that do not melt or decompose at:
 - (a) 25°C
 - (b) 100°C
 - (c) 150°C
 - (d) 200°C

Maximum Marks: 16

(SUBJECTIVE TYPE)

Time Allowed: 25 Min.

SECTION-I

Q.2: GIVE BRIEF ANSWERS TO THE FOLLOWING QUESTIONS:

(16)

- i. Define analytical chemistry.
- ii. What are the steps of a complete quantitative analysis?
- iii. How does rate of filtration increase by fluted filter paper?
- iv. Concentrated HCl and KMnO₄ solutions cannot be filtered through Gooch crucible. Give reason.
- v. Why is there need to crystallize the crude product?
- vi. Give main characteristics of the solvents used for crystallization.
- vii. What is the disadvantage of drying the crystals between the folds of filter paper?
- viii. How is the decolourization of undesirable colours carried out for freshly prepared crystalline substance?

