



INDIAN SCHOOL DARSAIT
DEPARTMENT OF SCIENCE

Subject: Science	Topic: Separation of Substances
Resource Person : Ms.Saritha Kishore	Date:
Name of the student: _____	Class &Div:VI _____ Roll Number: _____

- I Multiple Choice Questions(1M each)** 3
- 1.The process of winnowing is used to separate two solids depending on the
a) Difference in size b) difference in colour c) difference in weight d) all of them
2. A saturated solution can be made unsaturated by
a) Decreasing the temperature b) increasing the temperature c) stirring for a long time d) none of them
- 3.Tea leaves can be separated from tea by the process of
a) Filtration b) evaporation c) winnowing d) condensation
- II Write the scientific terms for each of the following(1 M each)** 5
- a) The process of picking out undesirable solids from another solid.
b) The process by which an insoluble solid is separated from a liquid by passing it through a filtering device.
c) The process of transferring liquid from one container to another without disturbing the material at the bottom.
d) The process by which clear fluid is transferred to another vessel when heavy particles get settled down.
e) A method to make a dirt carpet dust free.
- III Name the separation method used to separate following mixtures.(1 M each)** 10
- | | |
|--|--|
| a) Separation of rice and pulses after washing them.
b) Chalk powder and water.
c) Salt from sea water
d) Husk from grains
e) Cream and milk | f)Separation of a few grass leaves which have got mixed with mint leaves
g)Sugar dissolved in water
h)Sand and water
i)Oil and water
j)Orange pulp from orange juice |
|--|--|
- IV Circle the odd one out:** 2
- a) Sieving,filtration,handpicking,threshing
b) Sedimentation,winnowing,decantation,filtration
- V Write True or False:** 2
- a) Filtration is method used for preparing paneer in the house.
b) Lighter particles settle down during the process of sedimentation
- VI Give reasons for the following.(1 M each)** 2
- a) We cannot use sieving to separate small stones from rice grains.
b) Sugar dissolves easily in milk at room temperature in summer compared to winter.

VII Analogy type:

1

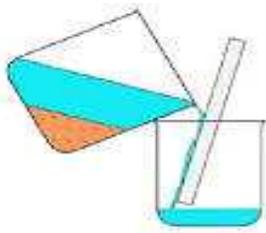
a) Separation of solid from liquid: Filtration::Separating the liquid components of a mixture: _____.

VIII Given below are the pictures of the methods of separation of mixtures. Identify them.(1 M each)

8



a. _____ b. _____ c. _____ d. _____



e. _____ f. _____ g. _____ h. _____

IX Match the following (1 M each)

4

Column A	Column B
1. Winnowing	a. Used to separate insoluble solid particles from liquid.
2. Sedimentation	b. Used to separate particles of different sizes.
3. Filtration	c. Process of settling of suspended particles
4. Sieving	d. Used to separate heavy and light solid particles
	e. Used to separate dissolved particles from the solution

X Answer the following

1. What is the principle used in the separation of mixtures? 1
2. Why do doctors often recommend us to shake the bottle containing liquid medicine before use? 1
3. After harvesting the wheat crop, what are the two separation methods that are followed by the farmers to get the wheat grains? Explain 2
4. How will you separate sand, salt and water from its mixture? 3

