



Test / Exam Name: Separation Of Substances

Standard: 6th

Subject: Science

Student Name: .....

Section: .....

Roll No.: .....

Questions: 16 | Time: 01:00 hh:mm | Marks: 30

### SECTION-A

- Q1.** While preparing chapatis, Paheli found that the flour to be used was mixed with wheat grains. Which out of the following is the most suitable method to separate the grains from the flour? **1 Mark**
- A Threshing.                      B Sieving.                      C Winnowing.                      D Filtration.
- Q2.** Paheli asked for a glass of water from Boojho. He gave her a glass of ice cold water. Paheli observed some water droplets on the outer surface of the glass and asked Boojho how these droplets of water were formed? Which of the following should be Boojho's answer? **1 Mark**
- A Evaporation of water from the glass.                      B Water that seeped out from the glass.  
C Evaporation of atmospheric water vapour.                      D Condensation of atmospheric water vapour.
- Q3.** During summer, Boojho carries water in a transparent plastic bottle to his school. One day he left his bottle in the school. The bottle still had some water left in it. The following day, he observed some water droplets on the inner surface of the empty portion of the bottle. These droplets of water were formed due to: **1 Mark**
- A Boiling and condensation.                      B Evaporation and saturation.  
C Evaporation and condensation.                      D Condensation and saturation.
- Q4.** In an activity, a teacher dissolved a small amount of solid copper sulphate in a tumbler half filled with water. Which method would you use to get back solid copper sulphate from the solution? **1 Mark**
- A Decantation.                      B Evaporation.                      C Sedimentation.                      D Condensation.
- Q5.** Paheli bought some vegetables such as french beans, lady's finger, green chillies, brinjals and potatoes all mixed in a bag. Which of the following methods of separation would be most appropriate for her to separate them? **1 Mark**
- A Winnowing.                      B Sieving.                      C Threshing.                      D Hand picking.
- Q6.** State whether the following statements are true or false. **1 Mark**  
A mixture of tea leaves and milk can be separated by decantation.
- Q7.** Fill in the blanks with appropriate words: **1 Mark**  
\_\_\_\_\_ are obtained from stalks by threshing.
- Q8.** State whether the following statements are true or false. **1 Mark**  
Water can be separated from salt by evaporation.

### SECTION-B

- Q9.** Is it possible to separate sugar mixed with wheat flour? If yes, how will you do it? **2 Marks**
- Q10.** Lemonade is prepared by mixing lemon juice and sugar in water. You wish to add ice to cool it. Should you add ice to the lemonade before or after dissolving sugar? In which case would it be possible to dissolve more sugar? **2 Marks**

### SECTION-C

- Q11.** Why do we need to separate different components of a mixture? Give two examples. **3 Marks**
- Q12.** What is winnowing? Where is it used? **3 Marks**
- Q13.** Name and describe briefly a method which can be helpful in separating a mixture of husk from grains. What is the principle of this method? **3 Marks**
- Q14.** Sheela, Saima and Ravi have to dissolve maximum amount of sugar in the same amount of milk so as to win in a game. Ravi took hot boiling milk while Saima took ice cold milk. Sheela managed to get milk at room temperature. Whom do you think would win the game and why? **3 Marks**
- Q15.** Read the story titled "WISE FARMER" and tick the correct option to complete the story. **3 Marks**  
A farmer was sad/ happy to see his healthy wheat crop ready for harvest. He harvested the crops and left it under the sun/ rain to dry the stalks. To separate the seeds from the bundles of the stalk he handpicked/ threshed them. After gathering the seed grains he wanted to separate the stones and husk from it. His wife winnowed/ threshed them to separate the husk and later sieved/ hand picked to remove stones from it. She ground the wheat grains and sieved/ filtered the flour. The wise farmer and his wife got a good price for the flour. Can you tell why?
- Q16.** A mixture of iron nails, salt, oil and water is provided to you. Give stepwise methods to separate each component from this mixture? **3 Marks**