	BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA **CLASS- IX** **Date- May 19,2026** **SUBJECT- SCIENCE**
1.	Which method is used to separate cream from milk? A. Filtration B. Sedimentation C. Centrifugation D. Sublimation
2	Assertion and Reason Assertion (A): Evaporation is used to obtain salt from seawater. Reason (R): Water evaporates on heating, leaving salt behind. A. Both A and R are true and R is the correct explanation of A. B. Both A and R are true but R is not the correct explanation of A. C. A is true but R is false. D. A is false but R is true.
3	Differentiate between a true solution and a suspension on the basis of: Visibility of particles Settling of particles
4	A mixture contains iron filings, sand, and salt. Describe step-by-step how you would separate all three components from the mixture. Also mention the property used in each method of separation.
5 A. B. C. D.	Riya prepared slides of onion peel cells and human cheek cells to compare them under a microscope. She noticed that onion peel cells were rectangular and arranged in rows, while cheek cells were irregular in shape. She also observed that onion cells had an extra outer covering which was absent in cheek cells. Based on the above information, answer the following questions: Name the extra outer covering present in onion cells. Why is this covering absent in cheek cells? Which type of cell is more flexible and why? State one similarity between onion peel cells and cheek cells.
6	A student placed dry raisins in two different bowls: Bowl A contained plain water. Bowl B contained concentrated sugar solution. After a few hours, the raisins in Bowl A swelled up, while the raisins in Bowl B shrank.

A. B. C.	Answer the following questions: Name the process responsible for the change in raisins in both bowls. Explain why raisins swelled in Bowl A. Why did raisins shrink in Bowl B?
7.	A boy walks 40 m towards east and then 30 m towards west. Calculate: * total distance travelled * displacement
8	A train covers equal distances in equal intervals of time. What type of motion is this? Justify the type of motion
9	What is acceleration due to change in direction of motion? Explain with an example.
10	The velocity-time graph of a moving body is a straight line parallel to the time axis. Answer the following: * What does this indicate? * What is the acceleration of the body? * How can distance travelled be obtained from the graph?