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Class: 7
Subject: Chemistry
Topic: Separation of Substances
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

Q1. The rate of sedimentation is increased by adding ____ to the water.
a. Salt
b. Sugar
c. Alum
d. Soap
Ans: c
Explanation: Alum is added to water to increase sedimentation.

Q2. The process followed to separate grains from the stalks is called
a. Winnowing
b. Threshing
c. Sieving
d. Hand picking
Ans: b
Explanation: Separating grains from stalks is Threshing.

Q3. The process of increasing the rate of sedimentation in a suspension by adding some chemical is
a. Filtration
b. Crystallisation
c. Loading
d. Condensation
Ans: c
Explanation: The phenomenon is Loading

Q4. The process of separating the constituents of a liquid by agitating it vigorously
a. Evaporation
b. Churning
c. Filtration

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d. Sedimentation

Ans: b
Explanation: Churning is the process of separating the constituents of a liquid by agitating.

Q5. The method that is used to obtain pure salt from impure salt
a. Decantation
b. Crystallization
c. Evaporation
d. Condensation
Ans: b
Explanation: The phenomenon is Crystallization

Q6. A solution which cannot dissolve more of a given substance at a given temperature is
a. Solution
b. Filtrate
c. Saturated solution
d. Unsaturated solution
Ans: c
Explanation: It's called Filtrate

Q7. This harmful microbe in water causes typhoid and jaundice
a. Virus
b. Bacteria
c. Algae
d. Fungi
Ans: b
Explanation: fact

Q8. Rain water is a kind of
a. saline water
b. distilled water
c. carbonated water
d. saturated water
Ans: b
Explanation: fact

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Q9. The method used to separate a dissolved solid component from its solution
a. Evaporation
b. Filtration
c. sedimentation
d. Decantation
Ans: a
Explanation: fact

Q10. Butter is separated from curd by the process of
a. Filtration
b. Heating
c. Churning
d. Sieving
Ans: c
Explanation: butter is separated from curd by churning.

Q11. A pure solid is obtained from its solution by the process of
a. Condensation
b. decantation
c. Sedimentation
d. Filtration
Ans: a
Explanation: By condensation process pure solid is obtained.

Q12. Separating the insoluble suspended solids of various sizes from a liquid is called
a. Filtration
b. Crystallization
c. Evaporation
d. Condensation
Ans: a
Explanation: fact

Q13. Cotton fibre is separated from cotton seeds by the process of
a. Churning
b. Boiling
c. Colouring
d. Ginning
Ans: d
Explanation: the phenomenon is called ginning

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Q14. Principle behind winnowing is
a. Difference in densities of components
b. Difference in colours of components
c. Difference in appearance of components
d. Difference in shapes of components
Ans: a
Explanation: according to density difference winnowing is done.

Q15. Paneer is separated from curdled milk
a. Condensation
b. Filtration
c. evaporation
d. sedimentation
Ans: b
Explanation: Its done by filtration technique

Q16. The process due to which steam changes into liquid state on cooling
a. Decantation
b. Sedimentation
c. Filtration
d. Evaporation
Ans: d
Explanation: fact

Q17. Corn is separated from husk by the process of
a. Sieving
b. Winnowing
c. Churning
d. Handpicking
Ans: b
Explanation: the phenomenon is winnowing

Q18. A mixture of sugar and water can be separated by
a. Filtration
b. Evaporation
c. Separating funnel
d. decantation

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Ans: b
Explanation: by evaporating that sample we can separate them.

Q19. A saturated solution can dissolve more of a substance on
a. Cooling
b. Heating
c. Condensing
d. Evaporating
Ans: b
Explanation: fact

Q20. To evaporate a liquid into its vapour, heat the liquid below its
a. Above its melting point
b. Below its boiling point
c. Below its melting point
d. Above its boiling point
Ans: b
Explanation: Evaporation is at room temperature.