



### I. Tick the correct answer

1. The appropriate process to separate a mixture of sand & water is-  
 a) Hand picking      b) sieving      c) sedimentation      d) evaporation
2. Winnowing is the process that can be used to separate-  
 a) rice & husk      b) sugar & salt      c) potatoes & tomatoes      d) mud & water
3. A bowl of raw dal accidentally fell into wheat flour, you will separate them by -  
 a) Winnowing      b) sieving      c) filtration      d) crystallization
4. The process of conversion of water into vapour is called-  
 a) separation      b) condensation      c) evaporation      d) filtration
5. Which factor plays an important role in the process of sieving?  
 a) Quantity of mixture      b) Size of the component  
 c) Direction of the wind      d) None of these.
6. Which of the following is not a unit of distance?  
 a) Metre      b) Feet      c) Kilogram      d) Kilometer
7. Which of the following does involve combination of motion?  
 a) Motion of the Earth      b) Rolling ball      c) Motion of the Pendulum      d) all of above
8. Which of the following is a standard unit of measurement?  
 a) Foot      b) Metre      c) Arm length      d) None of these
9. Beating of drum can be termed as-  
 a) Periodic motion      b) Rectilinear motion      c) Curvilinear motion      d) Circular motion
10. One metre has 10 equal parts called-  
 a) millimetre      b) centimetre      c) decimetre      d) nanometre
11. Which of the following is not a necessary condition for the formation of a shadow?  
 a) Opaque object      b) Screen      c) Transparent object      d) Light source
12. Nisha placed a stick in the playground at 8:15 am in the morning. How will the shadow of the stick at 12:00 noon be in comparison to the one at 8:15 am?  
 a) It will be shorter than one at 8:15 am.      b) It will be same as one at 8:15 am.

c) It will be longer than one at 8:15 am.

d) Shadow will not form at 12:00 noon.

**13. Rectilinear propagation of light means-**

a) Light travels in straight lines

b) Light travels in curved path

c) Light travels in zig-zag path

d) Light travels in circular path

**14. Mohan puts some water into four cups made of steel, porcelain, glass, frosted glass. Which one of these cups will allow him to see the level of the water clearly?**

a) Glass cup

b) Steel cup

c) Porcelain cup

d) Frosted glass cup

**15. Our body is-**

a) bad conductor of electricity

b) sometimes good and sometimes bad conductor

c) good conductor of electricity

d) none of these

**16. Metal disc of electric cell is-**

a) it's positive terminal

b) it's negative terminal

c) sometimes positive and sometimes negative

d) none of the above

**17. While preparing chapattis, Paheli found that the flour to be used was mixed with wheat grains. Which of the following is the most suitable method to separate the grains from the flour?**

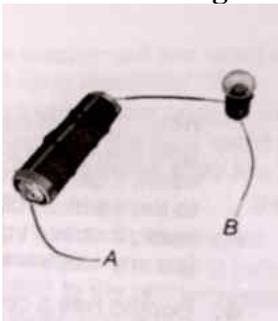
a) Threshing

b) Sieving

c) Winnowing

d) Filtration

**18. In the arrangement shown below, the bulb will glow if the ends A and B are connected with-**



a) a steel spoon

b) both the ends of tester

c) a plastic clip

d) wood piece

**19. Which one of the following is/are abiotic component of an environment?**

a) Soil

b) Water

c) Microorganisms

d) Both (a) and (b)

**20. Which of the following object/s is/are translucent?**

a) piece of wood

b) Frosted glass

c) Glass

d) Both (a) and (c)

**21. Bholu and Golu start running from the same point A in the ground and reach point B at the same time by following the paths marked 1 and 2, respectively. Which of the following is true for the given situation?**

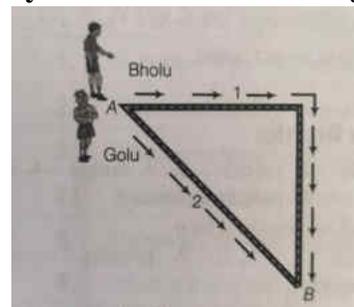
As compared to Golu, Bholu covers a

a) Longer distance but with a lower speed

b) Longer distance with a higher speed

c) Shorter distance with a lower speed

d) Shorter distance with a higher speed





### III. Write answer in one word

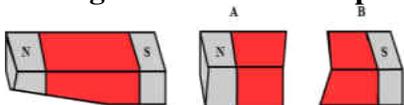
1. The device that is used to make or break the circuit.
2. The method of separation that is used to separate those solid mixtures which have component of different sizes.
3. The female part of the flower.
4. Changes which bring about response in living organisms.
5. Motion which repeats itself after regular intervals of time.
6. Type of image which can be taken on a screen.
7. An instrument used to find direction by sailors.
8. Supporter of combustion.

### IV. Write true or false for each of the following

1. One meter is equal to 1000m.
2. An elastic tape cannot give true result while measuring the length.
3. Separation of components of a mixture is a useful process.
4. A mixture of chalk and water is separated by winnowing.
5. Moon is a luminous object.

### V. Long answer type questions

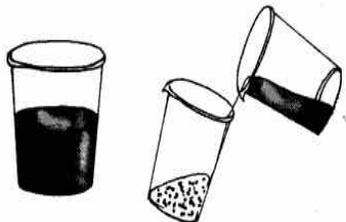
1. A bar magnet is cut into two pieces A and B, from the middle, as shown in figure.



Will the two pieces act as individual magnets?

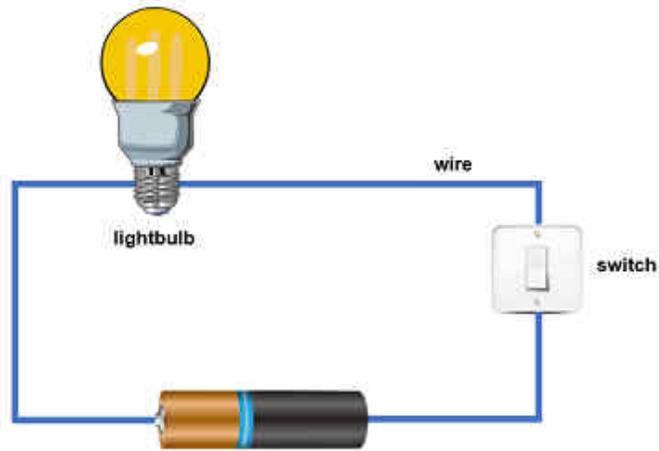
Mark the pole of these two pieces. Suggest an activity to verify your answer.

2. You are provided with two identical metal bars. One out of the two is a magnet. Suggest two ways to identify the magnet.
3. Explain about the process shown in the given diagram.



4. What do you understand by the term reflection? Explain with diagram.
5. Read the functions given below, identify the plant part, and write one function of each plant part.
  - Which makes food
  - Reproductive part of flower
  - Bears branches and leaves

i.
6. Write about the adaptation of plants and animals in desert regions.( Any 5 points).
7. Write an activity to show that water contains air?
8. Observe the given diagram, in the electric circuit shown below the bulb will glow or not? Explain with the reason.



9. Following images given are types of plant. Identify the images and answer following questions

- (i) Label A, & B
- (ii) Write one example of each image.
- (iii) Write one differences between A and B.



(A)



(B)

Prepared by SFR & SSM.