

**DELHI PUBLIC SCHOOL, JAMMU**  
**SESSION (2018 – 2019)**  
**REVISION SHEET FOR HALF YEARLY EXAM**

**Class – VII**

**Subject: Science**

**I. Very Short Answer Type Questions**

1. What is food chain?
2. What type of image is formed by a concave mirror?
3. A man riding a scooter travels 50 m in 20 s. What is the speed of the scooter?
4. Write down the functions of stomata?
5. Where is bile produced? Which component of the food does it help to digest?
6. Name the factors on which the quality of wool depends?
7. Explain why :
  - a) An antacid tablet is taken when you suffer from acidity.
  - b) Calamine solution is applied on the skin when an ant bites.
8. What do you mean by magnetic effect of electric current?
9. List five products we get from forest?
10. Compare the images formed by a concave lens and convex lens.

**II. SHORT ANSWER TYPE-I**

1. What is the importance of photosynthesis?
2. What is silk? How it is obtained?
3. If a piece of chapatti is chewed for sometime, it tastes sweeter. Why?
4. What are neutral substances? Name any two neutral substances.
5. Write a short note on methyl-orange indicator?
6. Why there is dark inside the forest?
7. Define the principal focus of a concave mirror.
8. Write any three uses of electromagnet.
9. What is motion? What are its types?
10. Define speed. Give its S.I unit.

**III. SHORT ANSWER TYPE-II**

1. Explain briefly the modes of nutrition in plants.
2. Describe the different steps in the process of nutrition in animals.
3. With the help of flowchart explain the life cycle of silkworms.
4. What is a solenoid? Draw a diagram of solenoid in a circuit. How can you increase the strength of solenoid?
5. Plants and animals are interdependent on each other in a forest. Discuss .
6. What do you understand by neutralization reaction? Discuss two of the neutralization reaction in our day to day life.

7. How can we prepare turmeric powder paper?
8. Sonu takes 40 minutes from her house to reach his school on a bicycle. If the bicycle has the speed of 6 meters per second. Calculate the distance between his house and the school in kilometers.
9. With the help of a ray diagram, show where the image will be formed when the object is placed at
  - (a) Infinity (convex lens)
  - (b) Focus of a concave mirror
  - (c) Beyond the centre of curvature of a concave mirror
10. What causes the formation of rainbow after rainfall? Explain.

#### **IV. LONG ANSWER QUESTIONS**

1. What is deforestation? Write down the causes and effects of deforestation.
2. Explain digestion in ruminants?
3. State the differences between acids and bases.
4.
  - a) A car moves at a speed of 20 km/h for 15 minutes and then at a speed of 60 km/h for next 15 minutes. Calculate the total distance covered by the car.
  - b) Plot a distance time graph using the following data. Also mention which type of motion is this.

S.NO	Time	Distance
1.	0	0
2.	10 min	10 km
3.	20 min	20 km
4.	30 min	30 km
5.	40 min	40 km
6.	50 min	50 km

5. With the help of a ray diagram explain
  - a) Incident ray
  - b) Reflected ray
  - c) Normal ray
  - d) Angle of incidence
  - e) Angle of reflection

#### **SECTION-B**

##### **Multiple choice questions**

1. Which of the following is a role of forests?
  - a) Provide food, shelter, water and medicines
  - b) Prevent soil erosion
  - c) Prevent food
  - d) All of above
2. Which one shows lateral inversion?
  - a) Plane mirror
  - b) Convex mirror
  - c) Concave mirror
  - d) All of these
3. Which one of the following is based on the heating effect of electric current?
  - a) Geyser
  - b) Hair dryer
  - c) Immersion rod
  - d) All of these

4. On which axis is dependent variable represented?  
a) x – axis  
b) y – axis  
c) On any axis  
d) Depends on the data
5. The rearing of silk worms for obtaining silk is called :  
a) Cocoon  
b) Silk  
c) Sericulture  
d) Moth silk
6. How many premolars teeth found in mouth?  
a) 2  
b) 4  
c) 6  
d) 8
7. Which of the following class of organisms belongs to saprotrophs :  
a) Fungi  
b) Algae  
c) Lichens  
d) Bryophytes
8. Which of the following is an acid – base indicator?  
a) Vinegar  
b) Lime water  
c) Turmeric  
d) Baking soda
9. Roof of forests made by the branches of the tall trees is called :  
a) Canopy  
b) Crown  
c) Understoreys  
d) None of these
10. The correct symbol to represent the speed of an object is :  
a) 5 m/s  
b) 5 mp  
c) 5 m/s<sup>-1</sup>  
d) 5 s/m
11. Which of the following is not a type of silk?  
a) Mulberry silk  
b) Tassar Silk  
c) Mooga Silk  
d) Moth Silk
12. The false feet of Amoeba are used for :  
a) Movement only  
b) Capture of food only  
c) Capture of food and movement  
d) Exchange of gases only
13. The raw materials for photosynthesis are :  
a) CO<sub>2</sub>, water  
b) CO<sub>2</sub>, O<sub>2</sub>, H<sub>2</sub>  
c) N<sub>2</sub>, water  
d) O<sub>2</sub>, water
14. Decomposers convert dead plant and animal tissues into :  
a) Clay  
b) Humus  
c) Inorganic Debris  
d) Soil
15. A simple pendulum takes 42 sec. to complete 20 oscillations. What is its time period?  
a) 2.1 s  
b) 4.2 s  
c) 21 s  
d) 8.40 s