

DWARKA INTERNATIONAL SCHOOL
SECTOR-12, DWARKA, NEW DELHI-110075
FINAL EXAMINATION
CLASS-VII (Sample Paper)
SUBJECT-SCIENCE (2018-19)

M.M.:80

1. Choose the correct answer for the followings:- (5)

- (i) _____ fibre is secreted by a caterpillar.
(a) Cotton (b) wool (c) silk (d) jute
- (ii) Degree of hotness and coldness of a body is called as _____.
(a) Temperature (b) energy (c) movement (d) radiation
- (iii) Soil which allows the water to drain off quickly is _____.
a) sandy (b) loamy (c) clayey (d) red soil
- (iv) Fish respire through _____.
(a) Gills (b) lungs (c) skin (d) trachea
- (v) Fluid portion of blood is called _____.
(a) Blood (b) cell (c) plasma (d) water

2. What are obelisks? (1)

3. Why it is not possible to capture an image formed by a convex mirror? (1)

4. Give reason for the followings: - (8)

- (i) Forest floor receive less sunlight.
- (ii) The letter on this page appear black.
- (iii) Heart beat increase when you run.
- (iv) Farmers grow cover crops.
- (v) Woolen carpets are used in carpets.
- (vi) Single silk fiber cannot form a thread.

5. Riya school is 2km from her house. She rides a bicycle to school. She thinks she can't cover the distance in 10 minutes, despite the traffic, if she rides fast. She does not like to wear helmet.

- (i) Is Riya right in her thinking.**
- (ii) What safety measures would you suggest to Riya to ensure that she has a safe ride?**
(1+2=3)

6. Answer the following questions. (8x3=24)

- (1) Write any three uses of forests.
- (2) State the characteristics of image formed by plane mirror.
- (3) Mention three human activities that can damage forest floor.
- (4) Why are concave and convex mirror are called as spherical mirror? Write the nature of concave and convex mirror.
- (5) List the types of motion?
- (6) What is compost? Why is it beneficial to soil?
- (7) What is a heat insulator? Give two examples.
- (8) explain the functions of- (i) stomata (ii) nostrils (iii) light

7. Answer the following questions.

(8x2=16)

- (1) Differentiate between uniform and non-uniform motion.
- (2) What is food chain? explain with the help of a well labelled diagram
- (3) Explain how gaseous exchange takes place in humans?
- (4) How is concave lens different from convex lens?
- (5) Explain the life cycle of the silk moth?
- (6) Define i) conduction.ii)thermometer iii)thermal energy
- (7) Write the difference between sandy and clayey soil?
- (8) Describe the vascular system in plants?

8. The distance between Ahmedabad and Vadodara is 100 km. A man drove his car from Vadodara to Ahmadabad in 4 hours. Calculate the average speed of the car.

(2)

9. Convert i. 30 °C to °F ii.50°F to °C

(2)

10. If a space shuttle is travelling at a speed of 12000 km per minute, how much time it will take to travel a distance of 400 km?

(3)

11. Answer the following questions in detail.

(5x3=15)

(1)Draw a well labelled diagrams for following-

- (i) Human respiratory system.
- (ii) Human excretory system.

(2) Explain the different horizons of soil with well labelled diagram.

(3) How do convection currents give rise to breeze in the coastal regions..

