

INDIAN SCHOOL SOHAR
SUMMATIVE ASSESSMENT - 2
SCIENCE-2013-14

No of printed pages : 2

CLASS -VII
12 .03.14

M. M-60
TIME-2 Hrs

Q.1 Choose the most appropriate answer.

1 x 10 = 10

1. The light materials which float during sewage treatment is
a) slurry b) sludge c) scum d) foam
2. John is observing his image in a plane mirror. The distance between the mirror and his image is 4m. If he moves 1m towards the mirror, then the distance between John and his image will be
a) 3m. b) 5m c) 6m d) 8m
3. Which part of a flower converts into a fruit?
a) sepals b) ovary c) petals d) ovules
4. Atmospheric pressure is affected by
a) altitude b) temperature c) water vapour d) all of these
5. The fuse wire is a
a) conductor with a low melting point b) insulator with a low melting point
c) conductor with a high melting point d) insulator with a high melting point
6. The type of waste disposal in which the solid organic waste are subjected to combustion is
a) landfill b) incineration c) septic tank d) vermicomposting
7. The seeds of Xanthium are dispersed by
a) wind b) water c) animals d) explosion
8. Living beings and the environment together constitute the
a) food chain b) food web c) atmosphere d) ecosystem
9. A simple pendulum takes 40 s to complete 20 oscillations. What is the time period of the pendulum?
a) 20 s b) 0.5 s c) 2 s d) 4 s
10. Which of the following plants multiply by layering ?
a) Sunflower b) Jasmine c) Poppy d) Lotus

Q2. Answer the following questions:-

1 x 5 = 5

1. Identify the method of artificial propagation –
a) Twig of one plant tied to the cut stem of another.
b) Tissue from the growing tip is grown under controlled conditions.

2. A point 'O' in a circuit is at a lower potential than point 'B'. In which direction will the current flow in the circuit?

3. Why hard water does not lather readily with soap?

4. How is sludge useful? (2 points)

5. Fill in the blanks:

a) The distance-time graph of uniform motion shows a _____.

b) The _____ measures time based on the principle of shadow formation due to sunlight.

Q.3 Answer the following questions :-

2 x 6 = 12

1. How are plants dependent on animals for survival? (2 points)

2. Differentiate between ground water and surface water. (1 point each)

3. a) How is wind caused?

b) What are the two characteristics of wind?

4. State the main processes involved in biological and chemical treatment of sewage.

5. a) Why is an MCB better than an electric fuse?

b) A coil with no current passing through it is suspended freely. It points in the east-west direction. What will happen if current is passed through the coil?

6. State the cause and effect of eutrophication.

Q.4 Answer the following questions :-

3 x 6 = 18

1. What planning is required in advance to deal with the situation created by a cyclone?(3 points)

2. State 3 protective measures to conserve forests.

3. Explain the type of asexual mode of reproduction in spirogyra and yeast.

4. Draw and name the curved mirrors with its reflecting surface:

a) inside. b) outside. Also write one use of each.

5. What are the regulatory functions of forests? (3 points)

6. a) Amit went to Patiala from Delhi which is 250 km away. He started at 6 a.m and reached Patiala at 11 a.m. Find the average speed by which he travelled from Delhi to Patiala.

b) Convert 15 m/s into km/hr.

Q.5 Answer the following questions :-

5 x 3 = 15

1. What do you mean by permanent hardness of water? Explain the method of its removal.

OR

1. a) Although three-fourth of the Earth's surface is water, how much water is available for human use? Why?

b) State any three measures of water conservation.

2. a) Describe image formation in the human eye.

b) Show diagrammatically how can you get focus of a convex lens.

3. Explain the structure & working of an electric bell with the help of a labelled diagram.