



Dnyansagar Coaching Classes, A'nagar

Std. - VI (Semi)

Sub- Science

Semester - II

Chapter - 7 to 14

Time - 3 hrs

Max Marks - 80

- Q.1 A) Fill in the blanks. (4/4)** 4
- Cobalt is substance.
 - Plants are important source of energy.
 - The rays of the sun are absorbed in the atmosphere.
 - The capacity to do work is called
- B) Match the following.** 4
- | Column 'A' | Column 'B' |
|----------------------|-----------------------------|
| i) water + alum | i) Settling and decantation |
| ii) camphor + sand | ii) Evaporation |
| iii) water + soil | iii) Filtration |
| iv) tea + tea leaves | iv) Sublimation |
- C) True or false. (4/4)** 4
- All the components in the hospital garbage are harmful.
 - The natural resources increase gradually by every passing year.
 - The organ which takes part in blood circulation is called the circulatory system.
 - Butter is heavier than buttermilk so it sinks to the bottom.
- D) Find odd man out. (4/4)** 4
- Solar cooker, solar heater, solar electric cell, geyser.
 - respiration, digestion, smell, blood circulation
 - Comet, Saturn, Mars, Jupiter.
 - Petrol, Coal, Kerosene, Tar.
- Q.2 A) Give Reasons. (3/5)** 6
- Waste water from a factory should not be allowed to mix with drinking water.
 - Paper begins to burn if sunlight falls on it through convex lens.
 - Travelling bags have wheels.
 - The movements of trapeze artists are said to be example of periodic motion.
 - Waste water should not be allowed to stagnate in puddles.
- B) Answer in one sentence. (6/8)** 6
- Which are the different types of motion? Give two examples of each.
 - What is meant by a pulley?
 - What is the source of energy that drives a car
 - What is settling?
 - What is organ system?
 - Which important substances are obtained from fossil fuels?
 - Explain the effects of a polluted environment.
 - What are the sources of water supply for villages?
- C) Define. (2/4)** 4
- Social environment
 - Surroundings
 - Potential energy
 - Speed
- Q.3 A) Give differences (2/3)** 6
- Respiratory system and Digestive system
 - Simple machine and Complex machine
 - Periodic motion and Random motion

- B) Answer in one word. (6/8)** 6
- i) The motion of a body which completes one round in the same time, every time.
 - ii) A muscle forming the floor of the rib-cage.
 - iii) Flapping of the wings by birds.
 - iv) Very long, coiled and narrow part of the alimentary canal.
 - v) Digestive juice produced by the liver.
 - vi) Gland present near the throat and the ears.
 - vii) Digestive juice produced by the pancreas.
 - viii) The digestive juice in the mouth.
- C) Draw diagrams. (2/5)** 4
- i) Digestive system
 - ii) Sublimation
 - iii) Respiratory system
 - iv) Structure of the earth's interior.
- Q. 4 A) Answer in brief. (4/6)** 8
- 1) Which substances from hospital garbage are harmful? How is the disposal of these substances done?
 - 2) What is water cycle?
 - 3) What causes changes in climate and seasons?
 - 4) How does exhalation take place?
 - 5) What is a blood bank?
 - 6) Why is it now necessary to use fuels with thrift?
- B) Give examples of :** 4
- i) Never-ending source of energy :
 - ii) Non-conventional sources of energy :
 - iii) Machines hat work on solar energy :
 - iv) Hydroelectric power plant :
- C) Correlate the word (4/6)** 4
- 1) Salivary glands : Saliva : : Liver :
 - 2) Oxygen : Burning : : Nitrogen :
 - 3) Birds : Nests on trees : : Deer, Tiger :
 - 4) Plants : Biotic factor : : Soil :
 - 5) Paraffin : Crude oil : : Aluminum :
 - 6) Pancreatic juice : Pancreas : : Stomach :
- Q. 5 A) Write short note on. (2/5)** 8
- 1) Dynamo
 - 2) Alveoli
 - 3) The movement of land mass
 - 4) Bhopal gas tragedy
 - 5) Transformation of energy
- B) Answer in brief. (2/5)** 8
- 1) What are the harmful effects caused due to ozone layer depletion?
 - 2) What is meant by the earth's crust?
 - 3) Why is digestion of food essential?
 - 4) How is milk powder made?
 - 5) How does a farmer move a boulder stuck in a muddy field?