



# Dnyansagar Coaching Classes, A'nagar

Std. - VIII (Semi)

Second Semester Exam

Time - 3 hrs

Sub- Science

Ch. 10 to 18

Max Marks - 80

- Q.1 A) Fill in the blanks.** **04**
- Carbon has atomic number .....  
a) 4                                      b) 6                                      c) 8                                      d) 12
  - Man observed ..... and learnt to cultivate crops.  
a) nature                                      b) ants                                      c) flowers                                      d) fruits
  - The boiling point of iron is .....  
a) 2650°C                                      b) 2750°C                                      c) 2550°C                                      d) 2850°C
  - ..... is used in making germicides and explosives.  
a) Sulphur                                      b) Red phosphorus  
c) Graphite                                      d) Silicon
- B) Match the following.** **04**
- | <b>'A' Group</b> | <b>'B' Group</b>              |
|------------------|-------------------------------|
| 1. Mineral oil   | a) Burning plants and animals |
| 2. Atomic energy | b) Renewable energy source    |
| 3. Wind energy   | c) Uranium                    |
| 4. Fossil fuel   | d) Petrol                     |
- C) True or false.** **04**
- Food for broilers is available commercially.
  - Rusting and termites lengthen the life of the agricultural tools.
  - Changes in the atmospheric heat and cold have an effect on rocks.
  - Forests should be grown to help increase pollution of air.
- D) Find odd man out.** **04**
- Tin, Bronze, Steel, Stainless steel.
  - Carbon, Silicon, Sulphur, Phosphorus.
  - Food, Cloting, Shelter, Air.
  - Bullock, Camel, Dog, Horse.
- Q.2 A) Give scientific reasons. ( any 4)** **08**
- Horses are given horse gram as supplementary food.
  - The importance of a sickle cannot be judged from its small size.
  - The danger from the greenhouse effect is rising.
  - Carbon dioxide is used for putting out fires.
  - Gold and platinum are called noble elements.
  - A condenser has two taps.
  - Electrical switches are made of plastic.
- B) Give difference between. (any 4)** **08**
- Distillation and Fractional distillation
  - Metals and Non-metals
  - Diamond and Graphite
  - Sandy soil and Silt soil
  - Lac insect and Silkworm
  - Thinning and Weeding
  - Layer bird (Hen) and Broiler bird (Hen)

- Q.3 A) Draw a neat labelled diagrams (any 4) 08**
1. Preparation of oxygen
  2. Distillation
  3. Separation of components of crude oil
  4. Boiling point of water
  5. Dry cell
  6. Simple electric cell
  7. Electric door bell
- B) Answer in one sentence. (any 4) 04**
1. Name one conventional source of energy.
  2. Give two examples of electrical cell.
  3. State the boiling point of water.
  4. Which non-metal is used in pencils?
  5. How is charcoal made?
- C) Complete the reaction. ( any 4) 04**
- 1)  $\text{Ca(OH)}_2 + \text{CO}_2 \longrightarrow \dots + \dots$
  - 2)  $2\text{NaOH} + \text{CO}_2 \longrightarrow \dots + \dots$
  - 3)  $2\text{KClO}_3 \xrightarrow[\text{(MnO}_2\text{)}]{\Delta, 300^\circ\text{C}} \dots + \dots$
  - 4)  $\text{CH}_4 + 2\text{O}_2 \longrightarrow \dots + \dots$
  - 5)  $\text{Na}_2\text{CO}_3 + \text{H}_2\text{O} + \text{CO}_2 \longrightarrow \dots$
- Q.4 A) Define / state laws. (any 4) 08**
- |                     |                  |
|---------------------|------------------|
| 1. Electric current | 2. Boiling point |
| 3. Noble metals     | 4. Alloy         |
| 5. Pollution        | 6. Soil erosion  |
| 7. Weathering       |                  |
- B) Give answer in short (any 4) 08**
1. Why is manure obtained from sheep more useful?
  2. Which activities are included in the sowing stage?
  3. How do rocks break?
  4. What function does an observatory perform?
  5. What is meant by allotrope?
  6. Why does a copper vessel shine again after scrubbing?
- Q.5 A) Write notes on. (any 2) 08**
- |                      |                  |
|----------------------|------------------|
| 1. Crossbred animals | 2. Air pollution |
| 3. Fire extinguisher | 4. Corrosion.    |
| 5. Soil              |                  |
- B) Answer the following (any 4) 08**
1. Why is it necessary to increase the use of renewable sources of energy?
  2. What changes do you see in the appearance of a candle after you have lit?
  3. Give the uses of non-metals.
  4. Where does carbon occur in nature?
  5. Give the important uses of nitrogen.
  6. State the various uses of soil.
  7. Write the three stages of tilling the land in the proper order.
  8. In what ways are lice and ticks a nuisance for sheep?

