Section A

1. A symposium is organized by the efficiency of ________.
   - a) Iron
   - b) Calcium
   - c) Potassium
   - d) Magnesium
   - e) Sodium

2. Angler is an elongated form of which organ?
   - a) Artery
   - b) Vein
   - c) Aorta
   - d) Thyroid
   - e) Parathyroid

3. __________ is the process of gas exchange in the lungs.
   - a) Respiration
   - b) Diffusion
   - c) Evolution
   - d) Breathing
   - e) Expiration

4. In a nucleus, the structure having spore-sacs of the fungal are ________.
   - a) Sporangia
   - b) Rhizobia
   - c) Fungi
   - d) Trachea
   - e) Roots

5. The number of vertebrae in the vertebral column are ________.
   - a) 12
   - b) 23
   - c) 30
   - d) 50
   - e) 60

Section B

1. The percentage of oxygen in the atmosphere is ________.
   - a) 45%
   - b) 12%
   - c) 16%
   - d) 14%
   - e) 21%

2. In which one is produced by photosynthesis?
   - a) Oxygen
   - b) Hydro
   - c) Fungi
   - d) Plasmodium
   - e) Anabaena

3. In which one does formation occur?
   - a) Fungus
   - b) Algae
   - c) Doctors
   - d) Wrist
   - e) Above

4. In which one are the structures bearing spores of the fungus ________.
   - a) Hyphae
   - b) Sporangia
   - c) Rhizobia
   - d) Fungi
   - e) Trachea

5. Which one is the number of chromosomes in potato cell?
   - a) 36
   - b) 38
   - c) 40
   - d) 46
   - e) 50

6. Which one is the number of vertebrae in the vertebral column are ________.
   - a) 12
   - b) 23
   - c) 30
   - d) 50
   - e) 60
Section - B

Marks : 32

Q. 2 Answer any Eight parts. Each part carries equal marks.
(i) What are chromosomes?
(ii) Why homework is necessary for living organisms?
(iii) Write down the treatment of AIDS disease.
(iv) What is the difference between inspiration and expiration?
(v) Discuss different sources of drugs.
(vi) Discuss important uses of Antibiotics.
(vii) Write the achievements of genetic engineering in the field of Agriculture.
(viii) Describe the contribution of Islam-Hindus in Modern Agriculture.
(ix) Discuss the characteristics of wind-pollinated flowers.
(x) Name the different parts of Wind Blown and discuss their functions.
(xi) Describe photosynthesis exchange in plants.

Section - C

Marks : 21

NOTE: Attempt any three questions. Each question carries equal marks. Draw labelled diagram where necessary.

Q. 3 (a) Describe the structure and function of Nephron with diagram.
(b) Write a note on Binary Fission Amoeba with diagram.

Q. 4 (a) Describe the structure of seed in detail.
(b) Explain major steps involved in nitrogen cycle.

Q. 5 (a) Describe the structure of a typical organ.
(b) What is female sex? Discuss.

Q. 6 (a) What are the causes of air pollution?
(b) Define ecosystem. Name broadly elastic components of eco system.