

REVISION QUESTIONS FOR BIOLOGY
CLASS X

LIFE PROCESSES

- Q1. Why does the medium become acidic in mouth? What is the ill effect of this medium? How can this be prevented?
- Q2. What is the function of digestive enzymes?
- Q3. Name the three different glands associated with the digestive system in humans. Also name their secretions.
- Q4. State the form in which the following are stored;
- a. unused carbohydrates in plants
 - b. the energy derived from food in humans
- Q5. How does desert plants perform photosynthesis?
- Q6. Draw the diagram of cross section of a leaf and label the parts.
- Q7. What is transported by lymph?
- Q8. Why do ventricles have thicker, muscular walls?
- Q9. What causes the liquid part of the blood to filter out from the glomerulus into the renal tubules
- Q10. List the important functions of kidney.
- Q11. Draw the diagram of an excretory unit of a human kidney.
- Q12. Name the unit of lung and kidney.

CONTROL AND COORDINATION

- Q1. Explain the cause of shoots of the plant bending towards light.
- Q2. How does auxin promote phototropism?
- Q3. State the functions of plant hormones.
- Q4. Write the functions of the parts of hind brain.
- Q5. Write differences between simple goiter and exophthalmic goiter.
- Q6. The hormones of pancreas are antagonistic in nature- Explain.

HOW DO ORGANISMS REPRODUCE?

- Q1. Why is DNA copying necessary during reproduction.
- Q2. List two advantages of growing grapes or banana plants through vegetative propagation.
- Q3. Explain budding and regeneration
- Q4. Explain why variations are observed in the offspring of sexually reproducing organisms?
- Q5. Why is fertilization not possible without pollination?
- Q6. Mention the changes a flower undergoes after fertilization.
- Q7. List four methods of contraceptions used by humans.
- Q8. Mention two secondary sexual characters in human male.

HEREDITY AND EVOLUTION

- Q1. What are chromosomes? Explain how in sexually reproducing organisms the number of chromosomes in the progeny is maintained?
- Q2. A trait may be inherited, but may not be expressed- Justify this statement.
- Q3. Show inheritance of two characters over two generations by making a cross between round and yellow seeded plant (RRYY) with wrinkled green seeded plant (rryy).
- Q4. With the help of a figure explain that father is responsible for the sex of the child.
- Q5. List any two contrasting characters other than height that Mendel used in his experiments in garden pea.
- Q6. Explain the terms; speciation, genetic drift, reproductive isolation, natural selection.
- Q7. 'Birds have evolved from reptiles'-State evidence to prove the statement.
- Q8. State the significance of homologous analogous organs in the process of evolution.

OUR ENVIRONMENT

- Q1. Mention the role of decomposers in our ecosystem.
- Q2. Write two differences between food chain and food web.
- Q3. 'Energy flow in food chains is always unidirectional' – Justify
- Q4. Give any two ways in which biodegradable substances would affect the environment.

MANAGEMENT OF NATURAL RESOURCES

- Q1. Name the group of bacteria that confirms the contamination of water.
- Q2. What is meant by sustainable management?
- Q3. Out of the two methods reuse and recycle which one you suggest to practice and why?
- Q4. Why do we need to manage our resources carefully?
- Q5. What is water harvesting?

