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 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 numer 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?