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Holiday Homework

Classes IX A & B

Subject-Biology

Assignment –I

1. Define Cell
2. Define Unicellular Organisms. Give examples
3. Define Multicellular Organisms. Give examples
4. What is Diffusion
5. Define Osmosis
6. Define Hypotonic Solution
7. Define Isotonic Solution
8. Define Hypertonic Solution
9. What are Chromosomes
10. What is Endocytosis
11. Define Plasmolysis
12. What are Genes
13. Expand DNA
14. What are Prokaryotes. Give examples
15. What are Eukaryotes. Give examples

Assignment-II

1. Define Cell Organelles
2. Name any Five Cell Organelles that found both in Plant and Animal Cells
3. Expand ATP, SER & RER
4. What is Membrane Biogenesis
5. Why Lysosomes are called as Suicidal Bags of a Cell

- 6.Name three types of Plastids found in Plant Cells
- 7.Mention the functions of Lysosomes
- 8.Diagram of a Plant Cell
- 9.Diagram of an Animal Cell
- 10.Diagram of a Prokaryotic Cell
- 11.Diagram of an Onion Peel
- 12.Diagram of various Cells from the Human Body

Holiday Homework

Classes X A&B

Subject-Biology

Assignment- I

- 1.Define Nutrition
- 2.What are Autotrophic Nutrition.Give Examples
- 3.Define Heterotrophic Nutrition.Give Examples
- 4.Write the overall Equation or Reaction of Photosynthesis
- 5.Enumerate the Events of Photosynthesis
- 6.Describe the Functions of Stomata
- 7.What are Parasites.Give Examples
- 8.Hoe does Nutrition occurs in Amoeba .Draw diagram
- 9.Draw a diagram of a Cross Section of a Leaf
- 10.Draw the diagrams of Open and Closed Stomatas

Assignment-II

- 1.How does Peristaltic Movement occurs in Human body
- 2.Define Digestion
- 3.What are Enzymes

- 4.Name the Enzymes secreted from Small Intestine
- 5.Define Emulsification of Fat
- 6.What are Villi.Mention its functions
- 7.Name the Components released from the Human Stomach
- 8.Why Herbivores has long small intestine rather than Carnivores
- 9.Name the Enzymes secreted from Human Pancreas
- 10.Draw a neat and labeled diagram of Human Alimentary Canal

Holiday Homework for Class XII-Biology

Assignment-I

- 1.What is Seminal Plasma
- 2.Name the various accessory glands of human male reproductive system
- 3.Name the three layers of wall of female Uterus
- 4.Differentiate Spermiation with Spermiogenesis
- 5.Define Spermatogenesis
- 6.Define Oogenesis
- 7.What is the function of Sertoli Cells
- 8.Define LH Surge
- 9.Why not all copulations lead to fertilization and pregnancy
- 10.Differentiate Menarche with Menopause
- 11.What is Fore Skin
- 12.What is Clitoris
- 13.Draw a neat and labeled diagram of Human Male Reproductive System
- 14,Draw a neat and labeled diagram of Structure of Human Sperm
- 15.Draw a Graph of various events during a Menstrual Cycle

Assignment-II

1. Differentiate Spermatid with Ootid
2. What is the function of Leydig Cells of human Testis
3. Differentiate Labia Majora with Labia Minora
4. Define Mammary Duct and Lactiferous Duct
5. Expand FSH, LH, Gn RH
6. What is Antrum
7. Define Menstrual Cycle
8. What is the Function of Acrosome of human Sperm
9. Define Ovulation
10. What are Mammary Lobes
11. Draw a Flow-Chart of Spermatogenesis
12. Draw a Flow-Chart of Oogenesis
13. Draw a neat and labeled diagram of Human Female Reproductive System
14. Draw a neat and labeled diagram of Sectional view of Human Female Mammary Gland
15. Draw a neat and labeled diagram of Sectional View of Human Ovary

Practical Record Note Work

Complete the Experiment Numbers 1 to 8 with all diagrams in separate page and write all the comments in a systematic manner