

**DELHI PUBLIC SCHOOL, DURGAPUR**  
**QUESTION BANK & REVISION SHEET FOR PERIODIC ASSESSMENT II (2018-19)**

**CLASS-IX**

**SUBJECT: BIOLOGY**

**TOPIC : CELL : THE FUNDAMENTAL UNIT OF LIFE**

- Q1. Explain the types of Plastids in brief.
- Q2. Explain the functions and structure of Golgi bodies.
- Q3. What is nucleoid?
- Q4. What is the difference between plant cells and animal cells?
- Q6. What are suicidal bags (lysosomes)?
- Q7. What is the function of chromosomes?
- Q8. Name the smallest cell in human body.
- Q9. Which is the largest cell in human body?
- Q10. Why Plant cells are more rigid than animal cells?
- Q11. Explain the process of osmosis in detail.
- Q12. Draw and label diagrams of plant cell and animal cell.
- Q13. What is cell theory? Who formulated it?
- Q14. Write the full form of DNA and ATP.
- Q15. What is the importance of nucleus?
- Q16. Explain the process of osmosis through an example.
- Q16. Draw and label a Plant cell neatly.
- Q17. Why is Plasma Membrane a selectively permeable membrane?
- Q18. What is the function of chromosome?
- Q19. Name the cleansing organelle in the cell.
- Q20. How does amoeba consume food?

**TOPIC : TISSUES**

1. Give four differences between bone and cartilage.
2. Give the functions of cartilage.
3. Give difference between xylem and phloem.
4. What is stomata?
5. Why does epidermal tissue have no intercellular space?
6. Name and give the function of each cell of xylem.
7. Why is blood called connective tissue?
8. State the difference between simple tissues of plants.
9. Explain the structure, function and location of nervous tissue.
10. Discuss the role of epidermis in plants.
11. What is the function of cartilage and bone?
12. What are the different types of tissues present in plants?
13. Tabulate the different types of tissues present in animals.
14. Draw a neat labeled diagram of nervous tissue.
15. What is the function of stomata?
16. What is the role of epidermis?
17. What are complex tissues? Explain their types.
18. Define the structure of neuron.
19. What are guard cells?
20. Explain various types of blood cells.

## **TOPIC : DIVERSITY IN LIVING ORGANISMS (PLANTS)**

1. Who is the writer of the book "The origin of Species"?
2. Give examples of monera and Protista
3. What is saprophytic nutrition?
4. Define symbiotic relationship?
5. What is the other name of cotyledons?
6. What are cryptogamae?
7. How thallophyta is different from bryophyte?
8. Give the classification of the plant kingdom
9. What is the difference between monocots and dicots?
10. Give examples of pteridophyte
11. What are angiosperms and gymnosperms?
12. Give brief account on Plantae kingdom.
13. Give a single term for:      a) a group related family      b) a group of related classes
14. What is meant by vernacular names?
15. Write a short note on Archae bacteria
16. What are the advantages of classification?
17. What is the significance of Phylum Pteridophyta?
18. Write the rules of binomial nomenclature.
19. State the morphological features of a gymnospermous plant .
20. Who are amphibians of plant kingdom? Why?

## **SYLLABUS FOR PERIODIC ASSESSMENT II**

**UNIT 1- Cell- The fundamental unit of life**

**UNIT 2- Tissues**

**UNIT 3- Diversity in living organisms (plants), binomial nomenclature**