PM SHRI KENDRIYA VIDYALAYA, DHARMAPURI

📚 HOLIDAY HOMEWORK – BIOLOGY

Class IX | Session 2026–27

Chapter 2: Cell – The Building Block of Life

1. Why is the cell called the basic unit of life?
2. Differentiate between prokaryotic and eukaryotic cells.
3. Explain the functions of the nucleus, mitochondria and ribosomes.
4. Differentiate between plant and animal cells.
5. Draw a neat, labelled diagram of a plant cell.

Chapter 3: Tissues in Action

1. What is a tissue? Why are tissues important?

2. Differentiate between meristematic and permanent tissues.

3. Differentiate between xylem and phloem.

4. Differentiate between striated, smooth and cardiac muscles.

5. Draw labelled diagrams of important plant and animal tissues.

Chapter 11: Reproduction – How Life Continues

1. What is reproduction? Why is it important for living organisms?

2. Differentiate between sexual and asexual reproduction.

3. Explain binary fission and budding with examples.

4. Explain pollination and fertilisation in flowering plants.

5. Draw a neat, labelled diagram of a flower and identify its reproductive parts.

Instructions:

* Write all answers neatly in your Biology notebook.

* Practise all important diagrams.

* Complete the homework during the holidays.

CLASS XII – BIOLOGY HOLIDAY HOMEWORK

Most Important Questions for CBSE Board Examination

Chapter 1: Sexual Reproduction in Flowering Plants

1. Explain double fertilisation and triple fusion.

2. Draw a labelled diagram of a mature embryo sac.

3. Explain the development of the male gametophyte in flowering plants.

4. Differentiate between autogamy, geitonogamy and xenogamy.

5. Explain the development of the dicot embryo with a labelled diagram.

Chapter 2: Human Reproduction

1. Draw a labelled diagram of the human male reproductive system.

2. Explain spermatogenesis with a flowchart.

3. Explain the menstrual cycle and the role of hormones.

4. Explain oogenesis with a flowchart.

5. Describe fertilisation, implantation and the role of the placenta.

Chapter 3: Reproductive Health

1. Explain the different methods of contraception.
2. What are sexually transmitted infections (STIs)? Explain their prevention.
3. Explain the causes of infertility and the methods of assisted reproductive technology (ART).
4. What is amniocentesis? Why is its misuse prohibited?
5. What is reproductive health? Mention the measures to achieve it.

Instructions:

* Write answers neatly in your Biology notebook.

* Practise all important labelled diagrams and flowcharts.

* Prepare these questions thoroughly for the Board Examination