

# **CAMBRIAN PUBLIC SCHOOL**

Kanke Road, Ranchi (Jharkhand-834008) Affi-3430087, School code- 66276

## **Biology Assignment – Class XII**

### **Chapter 1: Sexual Reproduction in Flowering Plants**

#### **Questions**

1. Define pollination. Differentiate between self-pollination and cross-pollination.
2. Explain the structure and functions of the embryo sac.
3. What is double fertilization? Why is it called unique to flowering plants?
4. Describe the stages of development of pollen grains inside the anther.
5. Explain the process of seed formation after fertilization.

#### **Art Integrated Diagram Question**

6. Draw and color a longitudinal section (L.S.) of a flower showing:
  - Stamen
  - Pistil
  - Ovary
  - Ovule
  - Petal
  - Sepal

Decorate the diagram using Madhubani or folk-art style borders.

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### **Chapter 2: Human Reproduction**

#### **Questions**

1. Draw and explain the male reproductive system.
2. Describe the menstrual cycle in human females.
3. Explain the structure and functions of the placenta.
4. Differentiate between spermatogenesis and oogenesis.
5. Describe the stages of embryonic development up to implantation.

### Art Integrated Diagram Question

6. Draw and label the female reproductive system .
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## Chapter 3: Reproductive Health and Diseases

### Questions

1. What is reproductive health? Explain its importance.
2. Write short notes on:
  - Family planning
  - Contraceptive methods
3. Explain the causes, symptoms, and prevention of:
  - AIDS
  - Gonorrhoea
  - Syphilis
4. What are sexually transmitted diseases (STDs)? How can they be prevented?
5. Explain the role of awareness and sex education in maintaining reproductive health.

### Art Integrated Diagram Question

6. Prepare a colorful awareness poster on:

“Prevention of HIV/AIDS and Importance of Reproductive Health”

Include:

- Slogans
- Symbols
- Preventive measures
- Awareness message

Use creative art, charts, and illustrations.