



ASSIGNMENT NO. 1

SUBJECT: BIOLOGY

CLASS-XII

APRIL -MAY'2026

Chapter-1: Reproduction in Flowering Plants Assignment

Very short answer type questions (2 marks)

1. What is the function of the tapetum in an anther?
2. Differentiate between apomixis and polyembryony.
3. Name the part of the flower where pollen is produced and received.
4. What is the role of synergids in the ovule?
5. Define double fertilization.

Short answer type questions (3 marks)

1. Describe the structure of a pollen grain.
2. Explain the process of pollen germination.
3. What are the advantages of self-pollination?
4. Differentiate between monocot and dicot embryo structure.
5. Explain the significance of seed dormancy.

Long answer type questions (5 marks)

1. Describe the process of fertilization in flowering plants.
2. Explain the mechanisms of self-incompatibility in plants.
3. Describe the structure and function of endosperm.
4. What are the different types of ovules found in angiosperms?
5. Explain the process of embryo development in dicot plants.

Chapter: 2 Human Reproduction

Very short answer type questions (2 marks)

1. What is the role of LH in human males?
2. Define spermatogenesis.
3. Name the hormone responsible for maintaining pregnancy.
4. What is the function of the placenta?
5. Differentiate between spermatogenesis and oogenesis

Short answer type questions (3 marks)

1. Describe the structure of a human sperm.
2. Explain the process of capacitation in sperm.
3. What are the changes during puberty in males?
4. Describe the menstrual cycle phases.
5. Explain the role of FSH in females.

Long answer type questions (5 marks)

1. Describe the process of fertilization and implantation.
2. Explain the structure and functions of the placenta.
3. Describe the process of spermatogenesis.
4. Explain the hormonal regulation of the menstrual cycle.
5. Describe the development of a human embryo up to implantation.

Chapter: 3 Reproductive Health

Very short answer type questions (2 marks)

1. Define reproductive health.
2. What is the role of contraception in reproductive health?
3. Name two STDs caused by bacteria.
4. What is amniocentesis?
5. Differentiate between vasectomy and tubectomy.

Short answer type questions (3 marks)

1. Explain the importance of reproductive health in society.
2. Describe the methods of contraception for males.
3. What are the causes of infertility?
4. Explain the role of assisted reproductive technologies (ART) in reproductive health.
5. Describe the measures to prevent STDs. Describe the structure of a human sperm.

Long answer type questions (5 marks)

1. Explain the various methods of contraception available.
2. Describe the causes, symptoms, and prevention of reproductive tract infections (RTIs).
3. Discuss the role of government initiatives in promoting reproductive health.
4. Explain the process and implications of amniocentesis.
5. Describe the various assisted reproductive technologies (ART) used to overcome infertility.