

Biology - 12th Class Biology Chapter 18 Short Questions Preparation

Q1. Name the hormones secreted by placenta.

Ans 1: Placental lactogen and progesterone is secreted by the placenta.

Q2. What are phytochromes?

Ans 1: Phytochromes are blue light sensitive proteins found in plants. They exist in two forms i.e., P₆₆₀ and P₇₃₀. They play an important role in photoperiodism.

Q3. What is menopause? Which factors affect reproductive cycle in female?

Ans 1: The end or complete stop of the menstrual cycle is called menopause, after which the female stops producing the ova. Malnourishment and emotional stresses affect the female reproductive cycle which may be disturbed. The cycle is not completed in its normal 28 days.

Q4. Define terms menstruation and menopause.

Ans 1: Menstrual cycle: In human females the periodic reproductive cycle is completed in approximately 28 days and involves changes in the structure and function of the whole reproductive system. It is called menstrual cycle.

Ans 2: Menopause: The end or complete stop of menstrual cycle is called menopause

Q5. What is vernalization?

Ans 1: Biennials and perennials plants are stimulated to flower by exposure to low temperature. This is called vernalization. Duration of low temperature (chilling) treatment required varies from four days to three months. Temperature around 4°C is found to be very effective.

Q6. Differentiate between oviparous and viviparous.

Ans 1: Oviparous: Oviparous are the eggs laying animals like birds.

Ans 2: viviparous: Viviparous are those animals which give birth to their young ones like mammals

Q7. What is Apomixis? Or What is meant by Apomixis?

Ans 1: In apomixis a diploid cell either from the nucellus or megasporangium develops into a functional embryo in the absence of a

male gamete. The rest of the ovule develops into seed and ovary into fruit.

Q8. Give two examples of short day plants.

Ans 1: Tobacco, Strawberry, Soybean are short day plants.

Q9. Define gonorrhea and AIDS.

Ans 1: Gonorrhea is caused by gram positive bacteria called *Neisseria gonorrhoeae*, mainly affecting the mucous membrane of the urinogenital tract. New born infants may acquire serious eye infection if they pass through infected birth canal. It is highly contagious through sexual contact.

Ans 2: AIDS: It is caused by AIDS virus (acquired immune deficiency virus) mainly destroy the WBCs (lymphocytes) so immune system becomes weak. It is also transmitted from infected person through sexual contact.

Q10. Define vernalization.

Ans 1: Chilling treatment given to the plant seeds before sowing is called vernalization.
