

Assignment for Cycle Test I (2019-20)

Subject: Biology

Class: XII

Topics included are: Reproduction in organisms, Sexual reproduction in flowering plants and Human reproduction.

- Q1. Why is reproduction essential for organisms?
- Q2. Off springs formed due to sexual reproduction have better chance of survival. Why? Is this statement always true?
- Q3. Describe the various phases of life cycle.
- Q4. Describe post fertilization events in a flower.
- Q5. Identify each part and write whether it is haploid (n) or diploid (2n).
- i) Sepal ii) style iii) egg iv) male gamete v) uterus vi) ovum
- Q6. What are the two strategies that have evolved in a flower to avoid self pollination?
- Q7. What are chasmogamous and cleistogamous flowers?
- Q8. Name the hormones involved in regulation of spermatogenesis and oogenesis.
- Q9. Describe the components of female reproductive systems.
- Q10. Draw a labeled diagram of ultra structure of sperm.
- Q11. What is menstruation? What are the functions of FSH, LH, estrogen and progesteron in menstrual cycle?
- Q12. What is infertility? Mention any three causes of infertility in men and women.
- Q13. Define juvenile, reproductive and senescence phases of life span?
- Q14. Explain the formation of 7celled, 8 nucleated female gametophyte in plants.
- Q15. What is endosperm? Give an illustrated account of the development of endosperm.