

HOME ASSIGNMENT FOR SUMMER VACATIONS 2019

CLASS XII SUB:- BIOLOGY

1. Make a chart to show various hormones playing an active role in development foetus.
2. Make a chart of hormone helpful in development of sperm and ovum. What is LH surge?
3. How do implants act as an effective method of contraception in human females?
Mention its one advantage over contraceptive pills.
4. Why is "SAHELI" considered an effective contraceptive for woman to space children?
5. Draw labelled diagram:-
 - A. Human ovum prior to fertilization
 - B. Zygote after first cleavage, morulla, blastocyst stage
 - C. Stages in the development of a dicot embryo
 - D. V.S. of maize grain
 - E. Stages in development embryo sac
 - F. Stages of a micro spore maturing into a pollen grain
 - G. Male and female reproductive system
 - H. Structure of sperm.
6. Define these terms – Apomixis, Polyembryony
7. Differentiate between-
 - A. Cleistogamy and Chiasmogamy
 - B. Gametogenesis and embryogenesis
 - C. Spermatogenesis and Oogenesis