



**PARISHRAM PUBLICATIONS
PUNE**

Name of Topic : Human Reproduction

Subject : Biology

Class : XII

Time : 1 : 00 Hr.

Marks : 25

Section – A (1 Mark Each)

(5 Marks)

- Q. 1. Why are human testes located outside the abdominal cavity? Name the pouch in which they are present.
- Q. 2. Write the function of the seminal vesicle.
- Q. 3. Mention the differences between spermiogenesis and spermiation.
- Q. 4. How does the sperm penetrate through the zona pellucida in human ovum?
- Q. 5. Mention the function of trophoblast in human embryo.

Section – B (2 Marks Each)

(6 Marks)

- Q. 6. Where are fimbriae present in a human female reproductive system? Give their function.
- Q. 7. What happens to corpus luteum in human female if the ovum is (i) fertilised, (ii) not fertilised?

OR

Mention the fate of corpus luteum and its effect on the uterus in the absence of fertilisation of the ovum in human female.

- Q. 8. (i) Where do the signals for parturition originate in humans?
(ii) Why is it important to feed the newborn babies on colostrum?

Section – C (3 Marks Each)

(9 Marks)

- Q. 9. (i) Draw a labelled diagrammatic view of human male reproductive system.
(ii) Differentiate between vas deferens and vasa efferentia.
- Q. 10. Draw a labelled diagram of a human sperm.

OR

Draw a diagram of human sperm. Label only those parts along with their functions, that assist the sperm to reach and gain entry into the female gamete.

- Q. 11. (i) How is placenta formed in human female?
(ii) Name any two hormones which are secreted by it and are also present in a non-pregnant woman.

Section – D (5 Marks Each)

(5 Marks)

- Q. 12. (i) Briefly explain the events of fertilisation and implantation in an adult human female.
(ii) Comment on the role of placenta as an endocrine gland.

OR

Explain the process of fertilisation and implantation in human.