

ASSIGNMENT QUESTIONS
BIOLOGY Class: XII
CHAPTER 3: Human Reproduction

1. Name and explain the role of inner and middle walls of human uterus.
2. Why are human testes located outside the abdominal cavity? Name the pouch in which they are present.
3. Write the location and functions of the following in human testes.
 - a) Sertoli cells
 - b) Leydig cells
4. Draw a sectional view of human ovary and label the different follicular stages, ovum and corpus luteum.
5. Write differences between spermatogenesis and oogenesis.
6. Name the hormones produced only during pregnancy in a human female. Mention their source organs.
7. Differentiate between the major structural changes in the human ovary during the follicular and luteal phases of the menstrual cycle.
8. Define the following:
 - a) Spermiogenesis
 - b) Spermiation
9. Give a short note on implantation.
10. Differentiate between morula and blastocyst.
11. Justify giving reasons:
 - a) Corpus luteum secretes large amount of progesterone if egg is fertilized.
 - b) Colostrum is absolutely essential for the newborn.

CHAPTER 4: Reproductive Health

1. What is amniocentesis? Justify the statutory ban on it.
2. Name any two copper releasing IUDs. Explain how they act as effective contraceptives in human females.
3. Why is ZIFT a boon to childless couples? Explain the procedure.
4. Name two STDs which can be transmitted through contaminated blood.
5. 'Sterilisation is referred as a terminal method of contraception'. Justify the statement.
6. Which ART is best for the following situations?
 - a) Female who cannot produce healthy egg.
 - b) Sperm does not fertilize the egg given in IVF.
 - c) Inability of a male partner to inseminate the female.
 - d) Male have very low sperm counts in the ejaculates.
