

## Practical No. 4

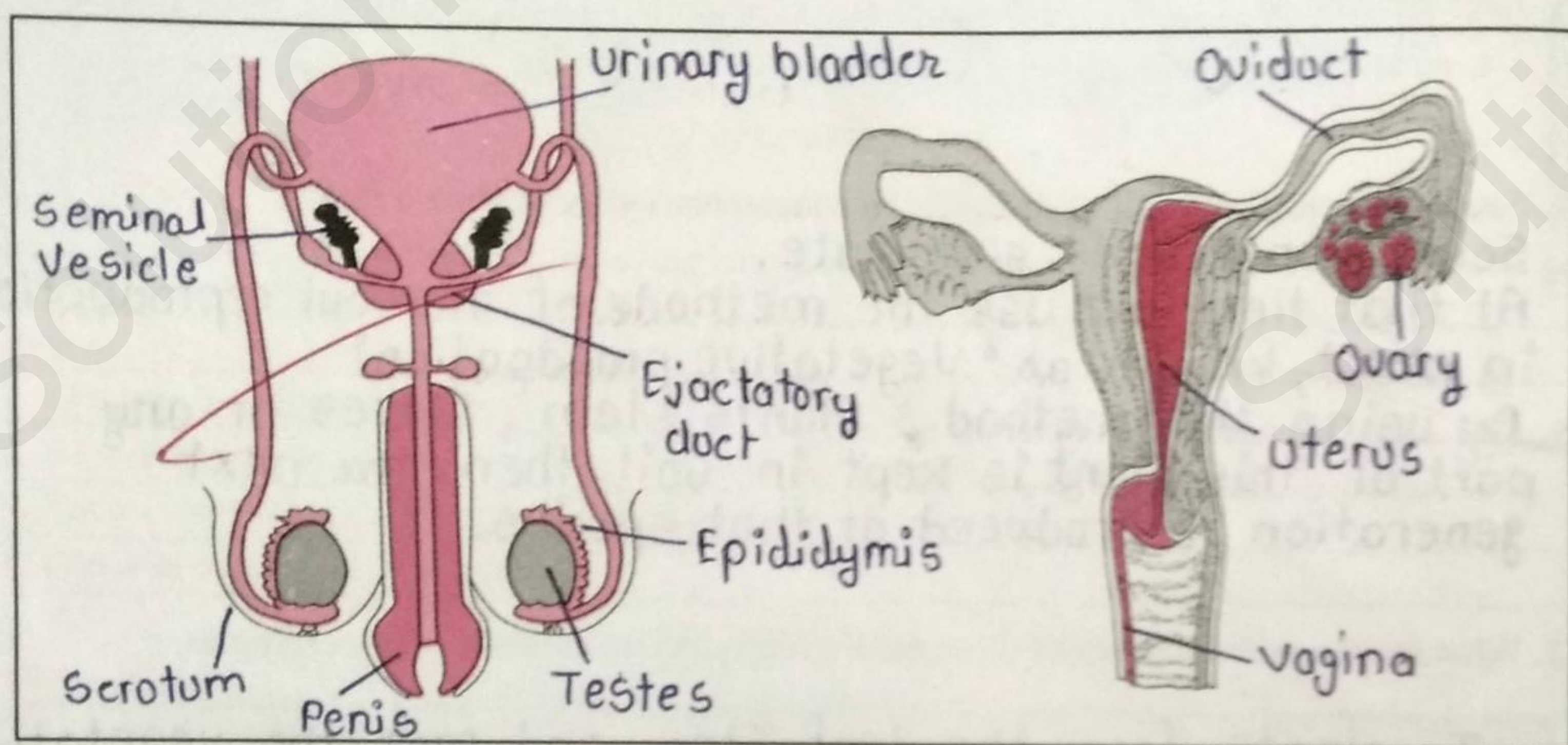
**Aim :** To study human reproductive systems.

**Apparatus :** Models of male reproductive system and female reproductive systems.

**Procedure :**

1. Observe the models of male reproductive system and female reproductive systems.
2. Note down different organs found in them.
3. Find out their functions and note down.
4. Label the diagrams given below.

**Figure :**



**Observations :**

Sr.	Name of organ in Male Reproductive System	Function
1	Penis	Produce sperm cell
2	testis	secretion in urina genital duct
3	Cowpers glands	ejaculatory duct.
4	Epidedmis	to push forward to next duct.
Sr.	Name of organ in Female Reproductive System	Function
1	Ovary	to stored ovules
2	Oviduct	to fertilized ovum
3	uterus	to store Zygote
4	Vagina	Inter the sperms



### Inference / Conclusion :

1. Male reproductive system produces haploid gametes called testosterone
2. 20 female reproductive system produces haploid (n) gametes called complex
3. 23 and 46 unite to form a diploid (2n) zygote and afterwards it develops into human embryo.

### Multiple Choice Questions

1. .... produces sperm cells.  
a. Seminal vesicle      b. Urinary bladder      c. ☒ Testes      d. Cowper's gland
2. The length of a sperm is ..... micrometer.  
a. 400      b. 5      c. ☒ 60      d. 600
3. At the time of birth, a female has ..... ova in her ovary.  
a. 2 to 3 lakh      b. 10 to 20 lakh      c. ☒ 2 to 4 lakh      d. 20 to 40 lakh
4. In context to menstrual cycle, which is the wrong statement?  
a. ☒ Around 40ml of blood is discarded in a menstrual cycle.  
b. The menstrual fluid including blood, easily coagulates.  
c. Menstrual cycle generally starts from 12th year of age.  
d. Disturbing menstrual cycle with hormonal tablets, causes side effects.
5. .... are the ways of family planning.  
a. To take contraceptive tablets.  
b. To use Nirodh (Condoms).  
c. To install copper -T.  
d. ☒ All of these.

### : Exercise :

1. How do the characteristics of mother and father get transmitted in a human embryo?

The characteristics of mother and father get transmitted into the embryo because X and Y chromosome carry via gene.

2. Give the names of bisexual animals.

① Bambas      ② Orca      ③ Battle nose      ④ Numbalst - peinguiens      ⑤ black swan

3. Why male reproductive system is called as urinogenital system?

The male urinogenital system, the testes, epididymis was difference, ejaculatory ducts, urethra, penis, prostate and accessory gland



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Remark and Signature