

Vidya Bhawan Balika Vidyapeeth Lakhisarai

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Class 12th

Subject Biology

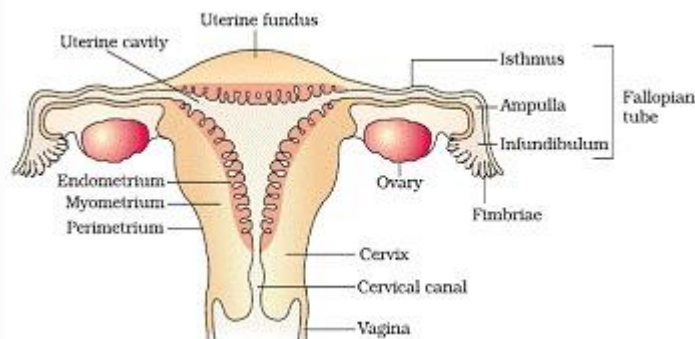
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Human Reproduction

The Female Reproductive System: It consists of :

- The primary sex organ that is a pair of ovaries
- Secondary sex organs- the duct system consisting of a pair of fallopian tube , a uterus , cervix and vagina
- External genitalia
- Mammary glands

- Ovaries are primary female sex organ that produce the female gamete and several steroid hormones. Each ovary is covered by thin epithelium which encloses the ovarian stroma, which is divided into a peripheral cortex and an inner medulla.
- Fallopian tube extends from periphery of ovary to the uterus. The part closer to ovary is a funnel shaped structure called **infundibulum** having finger like projection called **fimbriae**.
- Infundibulum leads to **ampulla** and join with uterus with **isthmus**. Uterus is pear shaped structure also called womb.
- Uterus open vagina through a narrow cervix. The cavity of cervix (**cervical canal**) along with vagina forms the birth canal.
- The wall of uterus has three layers of tissue:



I. Perimetrium- external membrane.

II. Myometrium – middle thick layer of smooth muscles which exhibit strong contraction during delivery of baby.

III. Endometrium – line the uterine wall and undergo cyclic changes during menstrual cycle.