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Class 12th

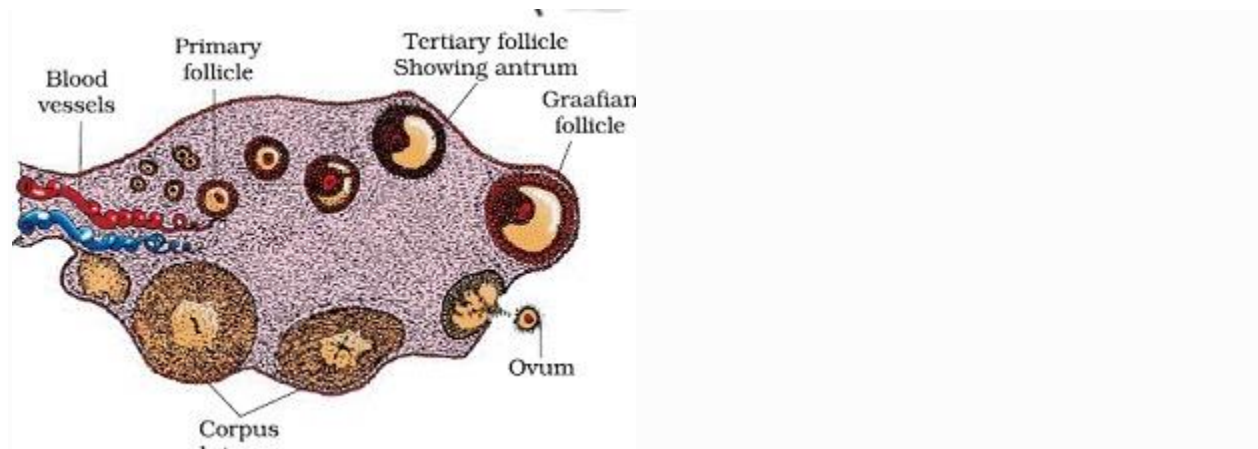
Subject Biology

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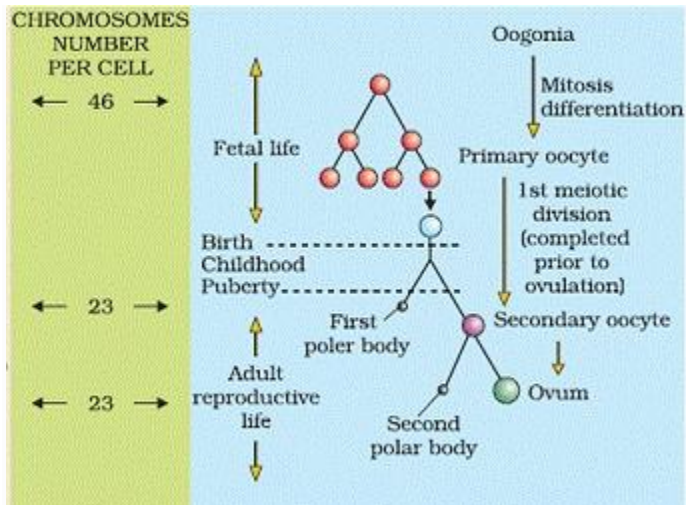
Human Reproduction

Oogenesis : The process of formation of mature female gametes is called oogenesis. It started during embryonic development stage when millions of oogonia (gamete mother cells) are formed in each fetal ovary.

- The gametes mother cells start division and enter into prophase-I of meiotic division and get temporally arrested at that stage called **primary oocytes**.
- Each primary oocyte gets surrounded by a layer of granulosa cell than it is called the **primary follicle**.
- At puberty, about 60,000- 80,000 primary follicles are left in each ovary.



- Primary follicle gets surrounded by more layers of granulosa cells called secondary follicle that transform into tertiary follicle that contain fluid filled cavity called **antrum**.



- The tertiary follicles further changes into the mature follicle called **Graafian follicle**, which rupture to release secondary oocytes (ovum) from the ovary by the process of ovulation.