

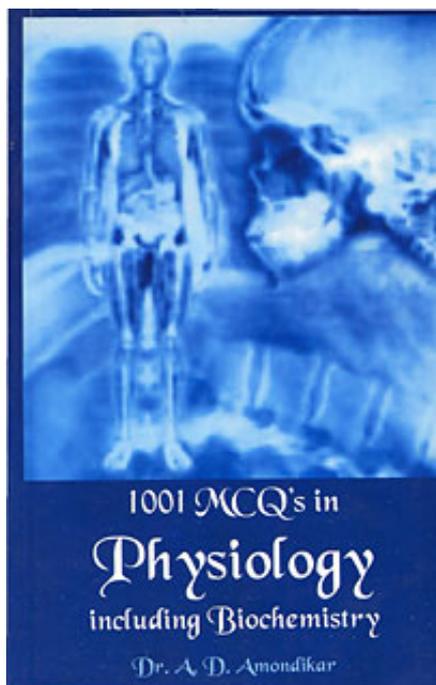
A.D. Amondikar  
1001 MCQ's In Physiology Including Biochemistry

Reading excerpt

[1001 MCQ's In Physiology Including Biochemistry](#)

of [A.D. Amondikar](#)

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## **13. Reproductive System**

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- 1. The Ovaries**
  - a. Start to produce ova at puberty
  - b. Go on producing ova throughout life
  - c. Discharge 5-10 ova during each menstrual cycle
  - d. Are essential for cyclic uterine activity
- 2. Ovary secretes**
  - a. Oestrogen
  - b. Progesterone
  - c. Androgens
  - d. all of the above
- 3. Extirpation of ovary causes**
  - a. Failure of development of secondary sexual characters before puberty
  - b. Ceasation of menstruation
  - c. Mental disturbances like irritability, depression
  - d. All of the above
- 4. Menarche**
  - a. Is on set of menstruation in a girl
  - b. Occurs normally at 12 to 14 years age
  - c. Both of the above
  - d. None of the above
- 5. In ovarian cycle**
  - a. Preovulatory phase occurs mainly due to secretion of LH
  - b. LH sure causes ovulation
  - c. No progesterone is secreted in post ovulatory phase
  - d. FSH is responsible for ovulation

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6. **Monthly ovarian cycle**
  - a. Is rhythmic changes in the rates of secretion of female hormones & corresponding changes in the ovaries
  - b. Duration is 20 to 45 days
  - c. Causes release of multiple ova from ovary
  - d. Only a & b are correct
7. **Follicle stimulating hormone**
  - a. Helps in maturation and growth of follicles
  - b. In the presence of LH, facilitates release of oestrogen by the theca interna of the graffian follicle.
  - c. Facilitates spermatogenesis.
  - d. All of the above
8. **The theca interna cells of graffian follicle produce**
  - a. Oestrogen
  - b. Progesterone
  - c. Relaxin
  - d. Inhibin
9. **Oestrogen hormone is released from**
  - a. Theca interna cells of graffian follicle
  - b. Interstitial cells of ovary
  - c. Placenta
  - d. All of the above
10. **Ovulation**
  - a. Occurs 14 days prior to the onset of next menstrual cycle
  - b. Causes release of a single ovum in the form of secondary oocyte
  - c. Occurs by production of stigma & its rupture within a short period
  - d. All of the above

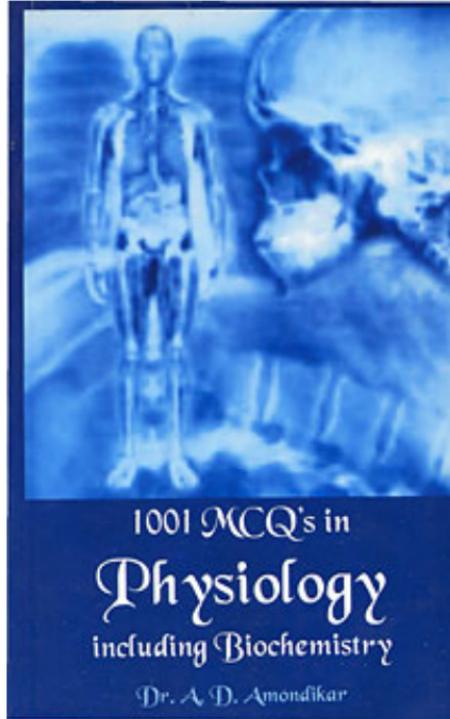
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11. The mature ovum released from ovary
  - a. Is a secondary oocyte
  - b. Is covered with corona radiata
  - c. Take approximately 72 hours to arrive at uterus
  - d. All of the above
12. In the days following ovulation
  - a. The body temperature rises
  - b. The plasma progesterone level rises
  - c. The plasma level of LH falls
  - d. All of the above
13. Preovulatory phase
  - a. Lasts for 8 to 9 days
  - b. Causes growth of few ovarian follicles
  - c. Causes release of large quantities of progesterone from these cells
  - d. Only a & b are correct
14. In past ovulatory phase
  - a. In granulosa cells of follicle are converted to lutein cells
  - b. Corpus luteum is formed
  - c. Corpus luteum secretes progesterone
  - d. All of the above past ovulatory phase
15. State which of the following statements regarding ovarian cycles is false ?
  - a. Large quantities of progesterone secreted after ovulation decrease the production of FSH & LH by anterior pituitary
  - b. Inhibin released from lutein cells inhibits secretion of FSH
  - c. In preovulatory phase dominant gonadotrophin hormone is LH
  - d. Prostaglandin's play role in causing rupture of follicle and ovulation

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16. **In a normal healthy 25 yrs of women**
- Plasma LH falls during 2 days prior to ovulation
  - Plasma FSH falls during 2 days prior to ovulation
  - Ovulation is followed by a decline in plasma oestradiol level for a short while
  - Ovulation is followed by a decline in plasma progesterone
17. **State which of the following statements regarding ovarian cycle is false?**
- FSH and LH both are required for the development of primordial follicles to graffian follicles
  - Theca externa cells release oestrogen
  - Granulosa cells are converted to lutein cells after ovulation
  - Oestrogen release increase FSH Secretion from anterior pituitary
18. **Fertilisation of ovum normally occurs in**
- Uterus
  - Cervix of uterus
  - Fallopian tube
  - None of the above
19. **The implantation of fertilized ovum occurs**
- Between 7<sup>th</sup> & 9<sup>th</sup> days after ovulation
  - Occurs because of penetration & erosion of uterine mucosa by proteolytic enzymes produced by trophoblast
  - At a stage of blastocyst
  - All of the above

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