

MCQ TEST SERIES

S12-BZ-C2-HUMAN REPRODUCTION

2.3 MENSTRUAL CYCLE

- Which hormonal change is directly responsible for initiating menstruation?
 - Increase in FSH and LH
 - Sudden rise in estrogen
 - Decline in progesterone and estrogen
 - Surge in oxytocin
- The absence of menstruation is **not** always an indicator of pregnancy. It may also result from:
 - Low hCG levels
 - Excessive prolactin secretion
 - Stress, anaemia, hormonal disorders
 - High testosterone levels
- Ovulation occurs due to the:
 - Peak of progesterone
 - Drop in estrogen
 - LH surge in mid-cycle
 - Increase in FSH at day 21
- Which phase of the menstrual cycle is associated with regeneration of endometrial lining?
 - Menstrual phase
 - Follicular phase
 - Ovulatory phase
 - Luteal phase
- During which phase is the Graafian follicle transformed into the corpus luteum?
 - Menstrual phase
 - Follicular phase
 - Ovulatory phase
 - Luteal phase
- What is the main hormone secreted by the corpus luteum?
 - Estrogen
 - Progesterone
 - FSH
 - Oxytocin
- What physiological process is suppressed during pregnancy due to high progesterone levels?
 - LH surge
 - Ovulation and menstruation
 - Prolactin secretion
 - Sperm capacitation
- Which structure degenerates into corpus albicans in absence of fertilization?
 - Graafian follicle
 - Endometrium
 - Corpus luteum
 - Zona pellucida
- The role of estrogen during the follicular phase is to:
 - Degrade the corpus luteum
 - Inhibit LH release
 - Stimulate endometrial proliferation
 - Inhibit follicular development
- Which of the following statements is TRUE about the luteal phase?
 - It lasts from day 1 to day 5
 - It is characterized by follicle maturation
 - Progesterone levels are highest
 - FSH secretion increases drastically
- Which gland secretes FSH and LH to regulate the menstrual cycle?
 - Hypothalamus
 - Thyroid
 - Anterior pituitary
 - Adrenal cortex
- Identify the correct sequence of hormonal events during menstrual cycle:
 - Estrogen peak → LH surge → Ovulation → Progesterone peak
 - LH surge → Estrogen drop → Progesterone rise → Ovulation
 - FSH peak → Estrogen drop → Menstruation
 - Progesterone drop → FSH rise → Ovulation
- The Graafian follicle ruptures and releases the ovum at what stage of oogenesis?
 - Primary oocyte
 - Zygote
 - Secondary oocyte
 - Oogonium
- The endometrium is most vascularized and glandular during:
 - Menstrual phase
 - Follicular phase
 - Ovulatory phase
 - Luteal phase
- Menstrual flow consists primarily of:
 - Only blood
 - Unfertilized ova and cervical mucus
 - Endometrial tissue and blood vessels
 - Amniotic fluid

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ANSWER KEY

1. C
2. C
3. C
4. B
5. D
6. B
7. B
8. C
9. C
10. C
11. C
12. A
13. C
14. D
15. C

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