

Chapter – 2 | Human Reproduction

QUIZ PART-05

1. The reproductive cycle in female primates is called:

- A. Oogenesis
- B. Menstrual cycle
- C. Fertilization cycle
- D. Gestation cycle (B)

Explanation : In female primates like monkeys, apes, and humans, the reproductive cycle is called the menstrual cycle.

2. The first menstruation in females is known as:

- A. Menopause
- B. Ovulation
- C. Menarche
- D. Lactation (C)

Explanation : The first menstrual cycle that begins during puberty is called menarche.

3. The last menstruation in females is called:

- A. Menarche
- B. Menopause
- C. Ovulation
- D. Implantation (B)

Explanation : The last menstruation, which marks the end of the menstrual cycle, is called menopause.

4. The release of an ovum during the menstrual cycle is called:

- A. Fertilization
- B. Implantation
- C. Ovulation
- D. Menstruation (C)

Explanation : Ovulation is the release of an ovum from the mature follicle in the middle of the menstrual cycle.

5. Which of the following is NOT a phase of the menstrual cycle?

- A. Menstruation
- B. Follicular phase
- C. Luteal phase
- D. Spermatogenic phase (D)

Explanation : The main phases of the menstrual cycle are menstruation, follicular phase, ovulation, and luteal phase.

6. Menstrual bleeding usually continues for:

- A. 1–2 days
- B. 3–5 days
- C. 7–10 days
- D. 15 days (B)

Explanation : During the menstrual phase, destruction of the endometrial layer and blood vessels causes bleeding for about 3–5 days.

7. The follicular phase occurs after the:

- A. Luteal phase
- B. Ovulation phase
- C. Menstrual phase
- D. Pregnancy phase (C)

Explanation : After the menstrual phase, the follicular phase begins, during which primary follicles enlarge and develop into mature Graafian follicles.

8. Which hormones stimulate follicular development during the follicular phase?

- A. Estrogen and progesterone
- B. LH and FSH
- C. Oxytocin and relaxin
- D. hCG and hPL (B)

Explanation : An increase in gonadotropins (LH and FSH) stimulates follicular development and estrogen secretion by growing follicles.

9. LH surge during the middle of the menstrual cycle causes:

- A. Implantation of embryo
- B. Rupture of Graafian follicle and ovulation
- C. Formation of placenta
- D. Milk secretion (B)

Explanation : A rapid increase in LH secretion during the middle of the cycle is called the LH surge, which induces rupture of the Graafian follicle and release of the ovum.

10. The corpus luteum secretes large amounts of:

- A. Testosterone
- B. Progesterone
- C. Oxytocin
- D. FSH (B)

Explanation : After ovulation, the ruptured Graafian follicle forms the corpus luteum, which secretes progesterone required for maintaining the endometrium.