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Based on NCERT patterns

Questions practice for PA 1

1. Select the correct sequence of stages of spermatogenesis in a human male.

- (a) Spermatogonium → Spermatids → Spermatocytes → Spermatozoa
- (b) Spermatogonium → Spennatocytes → Spermatids → Spermatozoa
- (c) Spermatids → Spermatogonium → Spermatocytes → Spermatozoa
- (d) Spermatocytes → Spermatogonium → Spermatids → Spermatozoa

2. Vas deferens receives the duct of seminal vesicle and forms the

- (a) epididymis
- (b) urethra
- (c) ejaculatory duct
- (d) urethral meatus

3. How many functional sperms and how many ova will be formed by a primary spermatocyte and a primary oocyte, respectively?

- (a) One, One
- (b) One, Four
- (c) Four, One
- (d) Four, Four

4. Proliferative phase of menstrual cycle, is also called

- (a) follicular phase
- (b) luteal phase
- (c) secretory phase
- (d) ovulatory phase

5. Ovulation occurs under the influence of

- (a) follicle-stimulating hormone
- (b) luteinising hormone
- (c) progesterone
- (d) estrogen.

6. There is no cell division involved in

- (a) spermatogenesis

- (b) oogenesis
- (c) embryogenesis
- (d) spermiogenesis

7. The cell division in secondary oocyte is suspended at

- (a) Anaphase II
- (b) Metaphase II
- (c) Prophase II
- (d) Telophase II

8. After the release of the secondary oocyte, the Graafian follicle develops into

- (a) corpus callosum
- (b) corpus albicans
- (c) corpus luteum
- (d) primary follicle

9. The outermost layer of a blastocyst is called

- (a) ectoderm
- (b) mesoderm
- (c) endoderm
- (d) trophoblast

10. Urethral meatus refers to the

- (a) urinogenital duct
- (b) opening of vas deferens into urethra
- (c) external opening of the urinogenital duct
- (d) muscles surrounding the urinogenital duct

11. Morula is a developmental stage

- (a) between the zygote and blastocyst
- (b) between the blastocyst and gastrula
- (c) after the implantation
- (d) between implantation and parturition

12. Spermiogenesis is the process of the release of sperms from

- (a) seminiferous tubules
- (b) vas deferens
- (c) epididymis
- (d) prostate gland

13. Which of the following hormones prepares the uterus for implantation?

- (a) Progesterone
- (b) FSH
- (c) Estrogen
- (d) LH

14. The cell which undergoes meiosis I during spermatogenesis, is the

- (a) spermatogonium
- (b) spermatid
- (c) primary spermatocyte
- (d) secondary spermatocyte

15. Seminal plasma, the fluid part of semen is formed by

- (a) seminal vesicle and bulbourethral gland.
- (b) bulbourethral gland and prostate.
- (c) prostate and seminal vesicle.
- (d) seminal vesicles, prostate and bulbourethral gland.

16. The secondary oocyte completes its meiosis II when a sperm comes in contact with it and forms a large cell, the _____ and a second polar body

17. The gonadotropin-releasing hormone (GnRH) from the _____ initiates spermatogenesis at puberty.

18. The first movements of the foetus and appearance of hair on the head are observed during the _____ month of pregnancy.

19. The menstrual phase is followed by _____ phase.

20. _____ refers to the onset of menstruation at puberty.

21. The outermost thin membranous part of uterine wall is called _____ .

22. The part of the fallopian tube, which is closer to the ovary and is funnel-shaped, is called _____ .

23. The cells formed as a result of cleavage of the zygote, are called _____ .

24. The placenta is connected to the embryo through _____ .

25. The process of delivery of the foetus, is called _____ .