

ETERNAL CAREER CLASSES**SUBJECT : BIOLOGY (Human Reproduction)**

1. Choose the correct statement :
 - (a) Size of testis is 4-5 cm in length and 1 cm in width
 - (b) The scrotum is maintained at body temperature
 - (c) The testes are situated outside the abdominal cavity in humans
 - (d) The earliest stages of spermatogenesis occur closer to the lumen of seminiferous tubules
2. Which of the following is not properly paired
 - (a) Sertoli cells - Follicle cells
 - (b) Vas deferens - Oviduct
 - (c) Scrotum - Labia majora
 - (d) Seminiferous tubules - Cervix
3. In males, excretory and reproductive systems share the :
 - (a) Testes (b) Vas deferens
 - (c) Seminal vesicle (d) Urethra
4. Seminiferous tubule :
 - (a) Is lined by two types of cells called spermatogonia and sertoli cells
 - (b) Contains huge number of Leyding cells inside it
 - (c) Contain huge number of interstitial cells inside it
 - (d) Open directly into vasa efferentia
5. Leyding cells :
 - (a) Are also called interstitial cells
 - (b) Synthesise and secrete androgens
 - (c) Are immunologically competent cells
 - (d) Are related to more than one option
6. The regions just outside the seminiferous tubules contain ?
 - (a) Small blood vessels but lack interstitial cells
 - (b) Cells which secrete testosterone
 - (c) Cell which get stimulated by LH of pituitary gland
 - (d) Both (b) and (c)
7. Choose the odd one out w.r.t. male sex accessory ducts :
 - (a) Vas deferens
 - (b) Vasa efferentia and epididymis
 - (c) Rete testis
 - (d) Seminiferous tubules
8. The seminiferous tubules open into _____ through _____.
 - (a) Vasa efferentia; epididymis
 - (b) Testicular tubules; epididymis
 - (c) Vasa efferentia; rete testes
 - (d) Rete testes; vasa efferentia
9. Which of the following is true ?
 - (a) Vasectomy inhibits spermatogenesis
 - (b) Vasectomy prevents sperm from exiting the male urethra
 - (c) Blockage of vasa efferentia prevents sperm transport from testis of epididymis
 - (d) Both (b) and (c)
10. Vas deferens :
 - (a) Receives a duct from the seminal vesicle and opens into urethra as ejaculatory duct
 - (b) Store sperms but do not transport them
 - (c) Transport the fluid lacking sperms
 - (d) Originates from the urinary bladder
11. Cowper's gland is :
 - (a) Located below prostate gland
 - (b) Also known as bulbourethral gland
 - (c) Located in between seminal vesicle and prostate gland
 - (d) Both (a) and (b)
12. The male urethra :
 - (a) Originates from the urinary bladder
 - (b) Extends through the penis to external opening called meatus
 - (c) Both (a) and (b)
 - (d) Can eject urine but not semen
13. Read the following statements :
 - (i) The seminal plasma is rich in fructose and calcium but lack enzymes
 - (ii) Penis is made of a special erectile tissue which facilitates insemination
 - (iii) The enlarged end of penis is called glans penis
 - (iv) The secretion of bulbourethral glands helps in the lubrication of the penis
 - (v) The male accessory sex-glands include seminal vesicles, prostate, paired bulbourethral glands and testis

How many of the above statements are incorrect ?

 - (a) Two (b) Three

- (c) Four (d) One
14. The female external genitalia do not include :
- (a) Labia majora, labia minora, mons pubis and hymen
(b) Hymen, clitoris and mons
(c) Labia majora and labia minora only
(d) Vagina and cervix
15. Read the following statements :
- (i) The uterus is present in single pair and is also called womb
(ii) The shape of uterus is like and inverted pear
(iii) The uterus opens into vagina through a narrow cervix
(iv) Birth canal is formed by cervical canal and vagina
(v) Perimetrium of uterus wall is external and thick, myometrium is middle thin layer of smooth muscles and endometrium is inner glandular layer
- Which of the above statements are correct ?
- (a) (i), (ii), (iii) (b) (ii), (iii), (iv)
(c) (iv), (v) (d) (i), (v)
16. The endometrium of uterus :
- (a) Undergoes cyclical changes during menstrual cycle
- (b) Has a functional layer that thickness and them is sloughed during menstrual cycle
(c) Exhibits strong contraction during delivery of the baby
(d) More than one option is correct
17. The lower narrow end of womb is called :
- (a) Vulva (b) Ureter
(c) Clitoris (d) Cervix
18. The clitoris is :
- (a) Represented by hymen
(b) A male secondary sex organ
(c) A tiny finger-like structure that lies at the upper junction of the two labia minora
(d) A tiny finger-like structure present below the urethral opening in females
19. Spermatogonia :
- (a) Are present outside the seminiferous tubules
(b) Increase in number by mitosis
(c) Are haploid, each with 46 chromosomes
(d) Do not undergo mitosis
20. Primary spermatocyte :
- (a) Is diploid
(b) Undergo meiosis to produce four equal sized haploid spermatids
(c) Both (a) and (b)
(d) Possess 23 chromosomes
