



Histology

*level 2
Repro
2023*

MCQs

Important MCQ

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MCQ on Histo Repro

1. Which of the following is a fibrous capsule surrounding the testis:-
 - a) Cremastic fascia
 - b) External spermatic fascia
 - c) Processus vaginalis
 - d) Tunica vaginalis
 - e) Tunica albuginea
2. Which of the following cells undergoes the first meiotic cell division:-
 - a) Primary spermatocyte
 - b) Secondary spermatocyte
 - c) Spermatid Dark type
 - d) Spermatogonia
 - e) Type B-spermatogonia
3. Which of the followings represent the normal structure of the principle piece of mature spermatozoa:-
 - a) Flagellar axoneme and outer plasma membrane
 - b) Flagellar axoneme, mitochondria and outer plasma membrane
 - c) Flagellar axoneme, outer dense fibers and outer plasma membrane
 - d) Flagellar axoneme, outer dense fibers, mitochondria and outer plasma membrane
 - e) The two centrioles
4. Which of the following cells act as stem cell:-
 - a) Dark type A spermatogonia
 - b) Primary spermatocyte
 - c) Secondary spermatocyte
 - d) Spermatid
 - e) Pale type A spermatogonia





Important MCQ

5. Which of the following spermatogenic cells contain 23-s chromosomes:-
- Dark Type A spermatogonia
 - Primary spermatocyte
 - Secondary spermatocyte
 - Spermatid
 - Type B spermatogonia
6. Blood-testis barrier is formed by tight junctions between:-
- Spermatogonia
 - Primary spermatocytes
 - Sertoli cells
 - Spermatids
 - Secondary spermatocytes
7. Which of the following parts of mature sperm has a mitochondrial sheath:-
- End piece of the tail
 - Head
 - Neck
 - Middle piece of the tail
 - Principle piece of the tail
8. Which of the following spermatogenic cells contain 23-d chromosomes:-
- Dark Type A spermatogonia
 - Primary spermatocyte
 - Secondary spermatocyte
 - Spermatid
 - Type B spermatogonia
9. Which of the following is surrounded by Myoid cells:-
- Tubuli recti
 - Seminiferous tubules
 - Vas deferens
 - Rete testis
 - Efferent ductules





Important MCQ

10. Leydig cells are considered to be:-

- a) Protein synthesizing cells
- b) Steroid forming cells
- c) Ion transporting cells
- d) Antigen presenting cells
- e) Antibody secreting cell

11. The endocrine parenchyma of testis is:-

- a) Seminiferous tubules
- b) Leydig cells
- c) Tunica albuginea
- d) Tunica vaginalis
- e) Spermatogenic cells

12. Which of the following cells act as progenitor cells:-

- a) Dark type A spermatogonia
- b) Primary spermatocyte
- c) Type B spermatogonia
- d) Spermatid
- e) Pale type A spermatogonia

13. The largest spermatogenic cells:-

- a) Spermatids
- b) Primary spermatocytes
- c) Secondary spermatocytes
- d) Dark Type A spermatogonia
- e) Pale type A spermatogonia

14. Which of the following genital ducts is located in the mediastinum testis:-

- a) Duct of epididymis
- b) Efferent ductules
- c) Ejaculatory duct
- d) Rete testis
- e) Vas deferens





Important MCQ

15. Corpora amylacea are located in:-

- a) Prostatic acini
- b) Cowper gland
- c) Seminal vesicle
- d) Bartholin gland
- e) Testicular interstitium

16. Which of the following structures receives the opening of bulbo-urethral gland:-

- a) Vas deferens
- b) Membranous urethra
- c) Prostatic urethra
- d) Penile urethra
- e) Ureter

17. Which of the following is characteristic for epididymis:-

- a) It is located in mediastinum testis
- b) It pierces tunica albuginea
- c) It contains corpora amylacea
- d) It's lined by pseudostratified columnar epithelium with stereocilia
- e) It is surrounded by myoid cells

18. Ejaculatory duct opens into:

- a) Membranous urethra
- b) Prostatic urethra
- c) Penile urethra
- d) Ureter
- e) Vestibule

19. Which of the following glands empties its secretion in the proximal part of the penile urethra:-

- a) Bartholin's gland
- b) Cowper's gland
- c) Prostate gland
- d) Seminal vesicle
- e) Testicular interstitial cells





Important MCQ

20. Which of the following is true about penis structure:-

- a) One corpus cavernosa and one corpus spongiosum
- b) One corpus cavernosa and two corpus spongiosum
- c) Two corpus cavernosa and one corpus spongiosum
- d) Two corpus cavernosa and two corpus spongiosum
- e) Four corpus cavernosa and two corpus spongiosum

21. Urethra passes through prostate, at which zone it passes:-

- a) Central zone
- b) Peripheral zone
- c) Transition zone
- d) Anterior Fibromuscular stroma
- e) None of the above

22. Which of the following genital ducts is not extra-testicular:-

- a) Ejaculatory duct
- b) Epididymis
- c) Vas deferens
- d) Rete testis
- e) Penile urethra

23. Regarding prostate gland, choose the false statement:-

- a) Its structure and function depend on testosterone hormone
- b) Stroma contains smooth muscle cells
- c) Smooth muscles condense around prostatic urethra to form internal urethral sphincter
- d) Acini are lined by pseudostratified columnar epithelium with stereocilia
- e) Prostatic concretions become more numerous in old age

24. Which of the following characterizes primordial follicles:-

- a) They appear only at the age of puberty
- b) They found deep in the cortex
- c) They are surrounded by simple squamous follicular cells
- d) They have a well-developed theca folliculi
- e) They contain a large antral cavity





Important MCQ

25. A very well developed theca folliculi is found in which of the followings:-
- Corpus albicans
 - Graafian follicle
 - Multilaminar primary follicle
 - Primordial follicle
 - Unilaminar primary follicle
26. Which of the following is responsible for direct nutrition of oocyte:-
- Antral fluid
 - Cells of theca interna
 - Corona radiata
 - Cumulus oophorus
 - Granulosa cells
27. Which of the following characterizes the medulla of ovary:-
- Contains subcapsular primordial follicles
 - Contains numerous and wide blood vessels
 - Highly cellular stroma
 - Contains developing follicles
 - Shows mature graafian follicle
28. Which of the following epithelia lines the oviduct:-
- Pseudostratified columnar epithelium
 - Simple columnar with ciliated cells and peg cells
 - Simple cuboidal epithelium
 - Stratified columnar epithelium
 - Transitional epithelium
29. Which of the following ovarian follicles is present since birth:-
- Graafian follicle
 - Multilaminar primary follicle
 - Primordial follicle
 - Secondary follicle
 - Unilaminar primary follicle





Important MCQ

30. Regarding mature graafian follicle, choose the false statement:-

- a) Pre-ovulatory
- b) Primary oocyte completes the first meiosis after ovulation
- c) Ovulation process is stimulated by LH
- d) Theca interna cells secrete androstenedione
- e) Oocyte is surrounded by zone pellucida

31. Which one of the followings is characterized by a lining of non-keratinized stratified squamous epithelium with cells that accumulate glycogen:-

- a) Endocervical mucosa
- b) Endometrial glands
- c) Fallopian tube
- d) Vagina
- e) Uterine glands

32. Which of the following hormones is responsible for luteal phase of menstrual cycle:-

- a) Estradiol
- b) Estrogen
- c) Oxytocin
- d) Progesterone
- e) Prolactin

33. Which of the following hormones is responsible for follicular phase of menstrual cycle:-

- a) Androgen
- b) Estrogen
- c) Oxytocin
- d) Progesterone
- e) Prolactin

34. The vagina is lined by:-

- a) Transitional epithelium
- b) Simple columnar epithelium, partly ciliated
- c) Pseudostratified columnar epithelium
- d) Stratified squamous non-keratinized epithelium
- e) Stratified cuboidal epithelium





Important MCQ

- 35. Which of the following ovarian events lead to menstrual flow:-**
- a) Formation of graafian follicle
 - b) Ovulation
 - c) Growth of corpus luteum
 - d) Maturation of primordial follicles
 - e) Degeneration of corpus luteum
- 36. Which of the following characterizes secretory phase of menstrual cycle:-**
- a) Occurs under the effect of progesterone hormone
 - b) Rebuilding of the endometrial glands
 - c) Regeneration of the coiled arteries
 - d) Regeneration of the surface epithelium
 - e) Timing: 5th-14th day of the cycle
- 37. Placental barrier in full term placenta is formed of the following layers except:-**
- a) Endothelium of fetal blood vessels & its basement membrane
 - b) Mesenchymal core
 - c) Basement membrane of trophoblasts
 - d) Cytotrophoblasts
 - e) Syncytiotrophoblasts
- 38. Endometrium is lined by:**
- a) Transitional epithelium
 - b) Stratified squamous epithelium
 - c) Stratified columnar with ciliated & peg cells
 - d) Simple columnar with ciliated & secretory epithelium
 - e) Stratified columnar epithelium
- 39. The type of mammary gland is:**
- a) Simple tubular
 - b) Simple alveolar
 - c) Simple tubulo-alveolar
 - d) Compound tubular
 - e) Compound tubulo-alveolar





Answers

1	E	14	D	27	B
2	A	15	A	28	B
3	C	16	D	29	C
4	A	17	D	30	B
5	D	18	B	31	D
6	C	19	B	32	D
7	D	20	C	33	B
8	C	21	C	34	D
9	B	22	D	35	E
10	B	23	D	36	A
11	B	24	C	37	D
12	E	25	B	38	D
13	B	26	C	39	E





Questions of 60th Exams

- 1. Which of the following cells in the testis have a smooth muscle-like activity:-**
 - a) Fibroblasts
 - b) Leydig cells
 - c) Myoid cells**
 - d) Pale type A spermatogonia
 - e) Sertoli cells
- 2. Which of the following spermatogenic cells undergo second meiotic division:-**
 - a) Dark type A spermatogonia
 - b) Primary spermatocytes
 - c) Secondary spermatocytes**
 - d) Spermatids
 - e) Type B spermatogonia
- 3. Which of the followings is the epithelial lining of epididymis:-**
 - a) Alternating cubical non-ciliated & columnar ciliated epithelium
 - b) Pseudostratified columnar epithelium with stereocilia**
 - c) Simple cubical epithelium
 - d) Stratified columnar epithelium
 - e) Transitional epithelium
- 4. Which of the following characterizes primordial follicles:-**
 - a) They appear only at the age of puberty
 - b) They are surrounded by simple squamous follicular cells**
 - c) They contain a large antral cavity
 - d) They found deep in the cortex
 - e) They have a well-developed theca folliculi





Important MCQ

5. Which of the following characterizes the medulla of the ovary:-
- a) Contains developing follicles
 - b) Contains numerous and wide blood vessels
 - c) Contains subcapsular primordial follicles
 - d) Highly cellular stroma
 - e) Shows mature Graafian follicle
6. Which of the following characterizes proliferative phase of the endometrium:-
- a) Followed immediately by menstrual flow
 - b) Occurs under the effect of progesterone hormone
 - c) Rebuilding of the endometrial glands
 - d) The endometrial glands are tortuous and full of secretions
 - e) Timing: Second half of the cycle
7. Which of the following parts of mature sperm contains the acrosomal cap:-
- a) End piece of the tail
 - b) Head
 - c) Middle piece of the tail
 - d) Neck
 - e) Principal piece of the tail
8. A very well-developed theca folliculi is found in which one of the followings:-
- a) Corpus albicans
 - b) Graafian follicle
 - c) Multilaminar primary follicle
 - d) Primordial follicle
 - e) Unilaminar primary follicle

