Histology Exam Second Year

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Faculty of medicine
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15 marks

1) Choose the best answer: (10 marks)

1- What is the number of chromosomes in primary spermatocytes?
a. 46 chromosomes.
b. 23 chromosomes.
c. 92 chromosomes.
d. 40 chromosomes.

2-Which one of the following follicle is surrounded by single layer of cuboidal epithelium?
a. Primordial follicle.
b. Primary follicle.
c. Secondary follicle.
d. Mature follicle.

3-What is the lining epithelium of the duct of the epididymis?
a. Simple columnar epithelium.
b. Stratified squamous epithelium.
c. Stratified columnar epithelium.
d. Pseudostratified columnar epithelium.

4-During Pregnancy, which hormone maintains the corpus luteum?:
a. FSH.
b. LH.
c. HCG
d. Estrogen and progesterone.

5- What is the site of complete capacitation of the sperms ?
a. Testis.
b. Epididymis.
c. Ejaculatory duct.
d. Fallopian tube.

6- In the second half of pregnancy, the first 3 layers of the placental barrier are formed of which one of the following structures arranged from outside to inside?
a. Cytotrophoblast, syncytiotrophoblast, basement membrane of trophoblast.
b. Syncytiotrophoblast, basement membrane of trophoblast, connective tissue core.
c. Syncytiotrophoblast, cytotrophoblast, basement membrane of trophoblast.
d. Endothelium of fetal blood capillary, basement membrane of fetal blood capillary, Syncytiotrophoblast.

7- What is the lining epithelium of membranous part of male urethra?
a. Simple columnar.
b. Simple squamous .
c. Stratified columnar .
d. Stratified squamous .

8- Which one of the following statement is true as regards Montogomery glands?
a. Modified sebaceous gland.
b. Modified sweat gland.
c. Endocrine gland.
d. Compound tubular gland.

9-Which one of the following hormones is used as male contraceptive?
a. FSH.
b. LH.
c. Inhibin.
d. Testosterone.

10- Which one of the following statements is true as regards endometrium?
a. It is lined by simple squamous epithelium.
b. Its basal zone is supplied by straight arteries.
c. Its superficial zone remains unchanged during the menstrual cycle.
d. Its superficial zone is adherent to the myometrium.

2) Complete the following: (5 marks)

a-The capsule of testis is formed of 3 coats:

1-tunica vaginalis
2- tunica albuginea
3- tunica vasculosa

b- Seminal vesicles function is add sperm activating substances as fructose citrate PG and provide bulk of seminal fluid 70%

c- Three sites for steroid secreting cells:

1- Theca lutein cells 2- Theca interna cells 3- granulose lutein cells