

Midterm of Histology

023



{بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ}

1- If we need to count specific type of cells in a tissue section, what type of staining should we use?

- A) trichrome
- B) immunostaining
- C) H & E

Answer: B

2- Two structures spaced by 3 micros
Describe the resolution:

- A) Resolved using both EM & LM
- B) Just resolved using LM and Resolved using EM.

Answer: B

3- Which location that had stratified squamous and Dense irregular CT?

- A) Stomach
- B) liver
- C) Skin
- D) urinary bladder

Answer: (c) skin

4- Which order of structures in the Collagen 1 assembly is correct:

- A) procollagen- fibril - fiber - bundle
- B) precollagen- fibril - fiber - bundle

Answer: A

5- which is correct about white adipose tissue:

- A) it is equally distributed in the adult body
- B) it has one fat vacuole

Answer: B

6- scurvy includes integrin of certain fibers what lead to bleeding gums, what fibers we are talking about:

- A) collagen
- B) collagen and elastic
- C) elastic and reticular
- D) all 3 fibers

Answer: A

7- Collagen I and collagen IV are respectively:

- A) fibril, network forming
- B) net work forming, fibril

Ans: A Collagen I is a fibril-forming collagen, while collagen IV is a network-forming collagen.

8- Which is incorrect statement:

- A) reticular laminae have reticular fibers and collagen VII
- B) nudgen and prelactin bind lamnin through collagen IV network
- C) collagen IV make 2D network in the reticular lamina

Answer: C

9- the covering of cornea is:

- A) stratified squamous epithelium, non kertanized
- B) stratified squamous epithelium, kertanized
- C) stratified columnar

Answer: A

10- endothelium rises from:

-all 3 germinal layers

11- To visualize the living cells, we use:

-phase contrast microscopy

12- Which of the following mismatches?

- A) simple columnar --- secretion
- B) stratified columnar --- protection
- C) pseudostratified --- transitional
- D) stratified squamous --- secretion

Answer:D

13- Which is incorrect statement:

- metal impregnation is common in laboratories

14- PAS staining show reticular collagen because it contains:

- hexoses sugar

15- What is correct about mesenchyme:

- A) it is located around blood vessels only
- B) it has significant amount of ground substances
- C) it is abundant with collagen fibers
- D) all epithelial cells rise from mesenchyme
- E) mesenchyme rises from endothelium

Answer: B

16- What is correct about fluorescence microscopy:

- A) the emitted light is in the invisible spectrum
- B) the specimen is illuminated by visible light
- C) the emitted light is shorter
- D) The fluorescent substances appear bright on a dark background.

Answer:D

17- Microtome is a machine for

- A) slicing and trimming
- B) staining

C) embedding

Answer: A

18- Regarding stereocilia what is correct?

- A) it's like cilia but shorter
- B) it's found in female genital tract and middle ear
- C) it's motile
- D) detection of motion

Answer: D

19- Where can we find a striated structure?

- A) microvilli —>intestinal
- B) cilia —>intestinal
- C) microvilli of kidney tubules

Answer: A

20- Which one is the most apical structure?

- A) Zonula occludens
- B) Desmosomes
- C) Zonula adherens
- D) Gap junctions

Answer: A

21- Choose the mismatched pair

- A) Desmosomes/ desmogleins, desmocollins

- B) Gap junction/connexins
- C) Hemidesmosomes/cadherin
- D) Zonula adherens/ e-cadherin

Answer: C

22- There is stratified epithelium in all this structures except:

- A) Oral cavity
- B) urinary tract
- C) covering of ovaries
- D) Large ducts

Answer: C

﴿ رَبِّ أَوْزِعْنِي أَنْ أَشْكُرَ نِعْمَتَكَ الَّتِي أَنْعَمْتَ عَلَيَّ وَعَلَىٰ وَالِدَيَّ
وَأَنْ أَعْمَلَ صَالِحًا تَرْضَاهُ وَأَدْخِلْنِي بِرَحْمَتِكَ فِي عِبَادِكَ الصَّالِحِينَ ﴾

- بعض الأسئلة تم إضافة خيارات من عندنا لنسيان الاصلية

Good luck 🍀

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