Sample test in CGHE

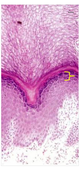
Final Grade
Last attempt with a grade
REVIEW

ATTEMPT 12/12 (SUBMITTED 12/29/25, 12:17 PM)
RECEIPT: FSD0001205B0A6174B3B8A8B2D7A15D3

80 / 80

1 MULTIPLE CHOICE 1/1

Identify the indicated layer:



- A Stratum basale
- B Stratum spinosum
- C Stratum granulosum
- D Membrana elastica interna

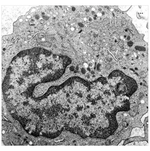
2 MULTIPLE CHOICE 1/1

Identify the depicted structures:

- A Osteocytes
- B Volkmann's canals
- C Haversian canals
- D Chondroblasts

3 MULTIPLE CHOICE 1/1

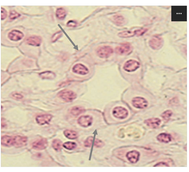
Identify the depicted cell:



- A Basophilic granulocyte
- B Red blood cell
- C Monocyte
- D Goblet cell

4 MULTIPLE CHOICE 1/1

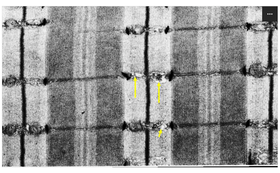
Identify the indicated tissue:



- A Stratified squamous nonkeratinized epithelium.
- B Endocrine epithelium.
- C Simple cuboidal epithelium.
- D Loose connective tissue.

5 MULTIPLE CHOICE 1/1

Identify the indicated structures:



- A M-line of a sarcomere
- B Presynaptic membrane
- C Intercalated disk
- D Triad of sarcoplasmic reticulum

6 MULTIPLE CHOICE 1/1

All of the following answers are true EXCEPT:
The glycocalyx is composed of:

- A Glycolipids
- B Glycoproteins
- C Proteins
- D Proteoglycans
- E Lipoproteins

7 MULTIPLE CHOICE 1/1

The presented cross section depicts which structure?

- A Cilium
- B Centriole
- C Actin filament
- D Desmosome

8 MULTIPLE CHOICE 1/1

Which cytoskeleton is associated with the focal adhesion:

- A Actin filament
- B Microtubule
- C Intermediate filament
- D All of them
- E None of them

9 MULTIPLE CHOICE 1/1

All of the following statements regarding hematoxylin& eosin (H&E) stain are true EXCEPT:

- A Hematoxylin is a basic stain, eosin is an acidic stain
- B Hematoxylin stains in blue the acidic structures in the cell
- C The basophilic structures are red in color
- D Eosin stains in red the basic structures in the cells
- E The structures, stained in red by eosin are referred to a acidophilic

10 MULTIPLE CHOICE 1/1

Which cytoskeleton is associated with the desmosome:

- A Intermediate filament
- B Actin filament
- C Microtubule
- D All of them
- E None of them

11 MULTIPLE CHOICE 1/1

The glycocalyx is composed of all of the following EXCEPT:

- A Lipoproteins
- B Proteoglycans
- C Proteins
- D Glycoproteins
- E Glycolipids

12 MULTIPLE CHOICE 1/1

The approximate size of the platelets is:

- A 2-4 µm
- B 20-40 µm
- C 20-40 nm
- D 120-140 nm
- E 30-50 µm

13 MULTIPLE CHOICE 1/1

Retrograde axonal transport is executed by the protein:

- A Dynein
- B Kinesin
- C Syntaxtophosin

(D) Synaptotagmin

(E) Myosin

14 **MULTIPLE CHOICE** 1 / 1

Which of the following is typical for inhibitory synapses?

(A) Both pre- and postsynaptic membranes are with a similar thickness

(B) They have an asymmetrically thickened postsynaptic membrane

(C) They have an asymmetrically thickened presynaptic membrane

(D) Neurotransmitter action leads to membrane depolarization

(E) None of the listed

15 **MULTIPLE CHOICE** 1 / 1

What is the average lifespan of lymphocytes?

(A) from a few hours to a few decades

(B) 120 days

(C) 10-12 hours

(D) 9-12 days

(E) 1-8 days

16 **MULTIPLE CHOICE** 1 / 1

Somatostain is produces in the:

(A) Hypotalamus

(B) Neurohypophysis

(C) Adenohypophysis

(D) Basal ganglia

(E) Hypophyseal infundibulum

17 **MULTIPLE CHOICE** 1 / 1

Which of the following substances is involved in the blood coagulation:

(A) factor of von Willebrand

(B) thrombopoietin

(C) erythropoietin

(D) histamine

(E) renin

18 **MULTIPLE CHOICE** 1 / 1

Which one of the following statements is NOT true regarding the loose connective tissue?

(A) The cells are arranged in isogenous groups

(B) It builds Lamina Propria of the mucous membranes

(C) It is the site of first contact between bacteria and immune system

(D) "Most of the cell types are temporary, migrating cells."

(E) It can increase substantially its volume during swelling

19 **MULTIPLE CHOICE** 1 / 1

When does implantation after fertilization end?

(A) 8-10 days

(B) 13-14 days

(C) 15-16 days

(D) 17-18 days

(E) 19-20 days

20 **MULTIPLE CHOICE** 1 / 1

Which of the statements regarding the types of spermatogionia is NOT true?

(A) Type A - stem cell

(B) Type A dark (Ad) – long-term reserve

(C) Type A pale (Ap) – mitotically active

(D) Type B – progenitor generating spermatocytes

(E) Type C - stem cell generating Sertoli cells

21 **MULTIPLE CHOICE** 1 / 1

The primordial germ cells during their migration divide by:

(A) Mitosis

(B) Meiosis

(C) Amitosis

(D) Mitosis and amitosis

(E) None of the answers is true

22 **MULTIPLE CHOICE** 1 / 1

Which effect have prostaglandins of the semen?

(A) They reduce viscosity of cervical mucus, making it easier for sperm to travel up cervical canal into uterus

(B) They are hydrolytic enzymes that invade the endometrium

(C) They stimulate peristaltic contractions of female reproductive tract

(D) a. + c.

(E) None of them

23 **MULTIPLE CHOICE** 1 / 1

Which embryonic layer is in a direct contact with the parietal hypoblast until the formation of the extraembryonic mesoderm?

(A) Cytotrophoblast

(B) Syncytiotrophoblast

(C) Epiblast

(D) Amnion

(E) None of the answers is true

24 **MULTIPLE CHOICE** 1 / 1

Which of the following statement IS TRUE?

(A) Chorionic villi form the fetal part of the placenta

(B) Chorionic villi do not form the fetal part of the placenta

(C) Chorionic villi form the maternal part of the placenta

(D) Chorionic villi form the entire placenta

(E) All statements are true

25 **MULTIPLE CHOICE** 1 / 1

In the begining of the 3rd week the paraxial mesoderm differentiates into segments known as:

(A) Somites (somitomeres)

(B) Neuromeres

(C) Mesonephroses

(D) Metanephroses

(E) Blood islands

26 **JUMBLED SENTENCE** 5 / 5

Match each of the listed tissues and the characteristic location of this tissue:
1/ Dense irregular connective tissue => **deep layer of the dermis**
2/ Elastic connective tissue => **ligg. flava**
3/ Bone tissue => **skeleton**
4/ Reticular connective tissue => **spleen stroma**
5/ Mucous connective tissue => **umbilical cord**