



قائمة الاسئلة

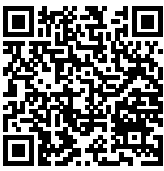
مادة الانسجة - الطب البشري - المستوى الأول - درجة هذا الاختبار (60)

د. صباح القدسي

- 1) Epithelial tissue is characterized by which of these characteristic features?
 - 1) - Presence of collagen fibers type I
 - 2) + A vascularity
 - 3) - Abundant extracellular matrix
 - 4) - Vascularity
- 2) The primary function of simple squamous epithelium is:
 - 1) - Secretion
 - 2) - Protection
 - 3) - Absorption
 - 4) + Filtration and diffusion
- 3) The main lining of the GIT is:
 - 1) - Simple squamous
 - 2) + Simple columnar
 - 3) - Simple cuboidal
 - 4) - Pseudostratified columnar
- 4) What is the function of goblet cells?
 - 1) - Absorption
 - 2) + Mucus secretion
 - 3) - Filtration
 - 4) - Contraction
- 5) A type of epithelium lines trachea and upper respiratory tract
 - 1) + Pseudostratified columnar epithelium ciliated
 - 2) - Simple squamous
 - 3) - Simple columnar
 - 4) - Simple cuboidal
- 6) The outer layer of the skin is composed of:
 - 1) + Stratified squamous epithelial keratinized
 - 2) - Simple cuboidal
 - 3) - Simple squamous
 - 4) - Stratified columnar
- 7) All of the cellular junctions below are intercellular junction, which one is an intracellular junction?
 - 1) - Zonula Occludens
 - 2) + Hemidesmosome
 - 3) - Macula adherens
 - 4) - Gap junctions
- 8) Several long secretory parts joining to drain into one duct
 - 1) + Gastric glands
 - 2) - Intestinal glands
 - 3) - Sweat glands
 - 4) - Sebaceous glands
- 9) Which one is incorrect about myoepithelial cells?
 - 1) + Poor in actin and myosin filaments
 - 2) - Located inside the basal lamina of the basal ends of secretory or duct cells
 - 3) - Have long processes
 - 4) - Serve to help ejection of secretory products into and up the duct system



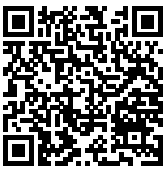
- 10) Which of the following is not a cell found in the taste bud?
- 1) - Gustatory cell
 - 2) + Satellite cell
 - 3) - Sustentacular cell
 - 4) - Basal cell
- 11) The most abundant protein in the human body is:
- 1) - Actin
 - 2) - Elastin
 - 3) + Collagen
 - 4) - Lamin
- 12) Forms the framework for organs such as the liver, spleen, and lymph nodes?
- 1) - Adipose tissue
 - 2) - Elastic CT.
 - 3) - Dense irregular CT.
 - 4) + Reticular CT.
- 13) Which of the following is a wandering cells found in the connective tissue?
- 1) - Fibroblast
 - 2) + Neutrophil
 - 3) - Adipocyte
 - 4) - Histiocyte
- 14) Which type of the connective tissue forms the dermis of the skin, providing strength and flexibility?
- 1) + Dense irregular CT.
 - 2) - Reticular CT.
 - 3) - Dense regular CT.
 - 4) - Loose CT.
- 15) All of the following cells belong to the mononuclear phagocytic system, which one is the exception?
- 1) - Osteoclast
 - 2) + Melanocyte
 - 3) - Dendritic cell
 - 4) - Kupffer cell
- 16) Which of these cells have large metachromatic granules containing heparin and histamine?
- 1) - Mast cell
 - 2) - Basophil
 - 3) + Both cells have metachromatic granules
 - 4) - Neither cell has metachromatic granules
- 17) Choose the correct statement regarding plasma cell
- 1) - Derived from T-lymphocytes
 - 2) - Has intensely acidophilic cytoplasm
 - 3) + Has a characteristic "clock-face" or "radial spoke" nucleus
 - 4) - Responsible for cell mediated immune response
- 18) Widely distributed throughout the body, providing support and nourishment to the epithelial tissues
- 1) + Loose (Areolar) CT.
 - 2) - Adipose CT.
 - 3) - Reticular CT.
 - 4) - Mucoid CT.
- 19) Which of these collagen fiber's formation stages does not occur in the RER?
- 1) - Translation
 - 2) + Cleavage
 - 3) - Hydroxylation



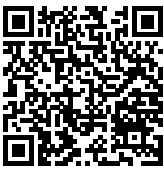
- 4) - Glycosylation
- 20) What is the primary function of ground substance in CT?
- 1) - Structural support
 - 2) - Energy storage
 - 3) + Lubrication and facilitating exchange of nutrients and waste
 - 4) - Immune response
- 21) Which vitamin is essential for the hydroxylation of proline and lysine residues during collagen synthesis?
- 1) - Vitamin B12
 - 2) - Vitamin D
 - 3) - Vitamin A
 - 4) + Vitamin C
- 22) What type of cartilage is found in the intervertebral discs?
- 1) - Articular cartilage
 - 2) - Elastic cartilage
 - 3) - Hyaline cartilage
 - 4) + Fibrocartilage
- 23) Which of the following is composed of elastic cartilage?
- 1) - Knee joint
 - 2) + Ear
 - 3) - Intervertebral discs
 - 4) - Nose
- 24) A type of collagen predominantly found in hyaline cartilage
- 1) - Type I
 - 2) + Type II
 - 3) - Type III
 - 4) - Type IV
- 25) Repair capacity of cartilage is limited due to:
- 1) + Lack of blood supply
 - 2) - Excessive vascularity
 - 3) - Abundance of elastic fibers
 - 4) - None answer is correct
- 26) Which of the following bone cells is responsible for bone resorption?
- 1) - Osteogenic cell
 - 2) - Osteoblast
 - 3) - Osteocyte
 - 4) + Osteoclast
- 27) What is the outer fibrous layer covering the bone?
- 1) + Periosteum
 - 2) - Perichondrium
 - 3) - Endosteum
 - 4) - Perimysium
- 28) Which type of bone growth occurs in the epiphyseal plate?
- 1) - Appositional growth
 - 2) + Endochondral growth
 - 3) - Intramembranous growth
 - 4) - All answers are correct
- 29) Which hormone is primarily responsible for raising calcium levels in the blood?
- 1) - Calcitonin
 - 2) + Parathyroid hormone (PTH)



- 3) - Growth hormone
4) - Insulin
- 30) What is the first stage of bone healing after a fracture?
1) ☒ Formation of a hematoma
2) - Bone remodeling
3) - Formation of a fibrocartilaginous callus
4) - Formation of a bony callus
- 31) Which bone cells is responsible for maintenance bone matrix?
1) - Osteoprogenitor cell
2) - Osteoblast
3) ☒ Osteocyte
4) - Osteoclast
- 32) Which structure connects osteocytes within an osteon?
1) - Haversian canal
2) ☒ Canaliculi
3) - Volkmann's canal
4) - Lacunae
- 33) Which cells are primarily responsible for bone deposition during bone remodeling?
1) - Osteoclasts
2) - Osteocytes
3) - Osteogenic cells
4) ☒ Osteoblasts
- 34) Which type of collagen is predominantly found in bone?
1) ☒ Type I
2) - Type II
3) - Type III
4) - Type IV
- 35) Which bone cell present in Howship's lacunae?
1) - Osteoprogenitor cell
2) - Osteoblast
3) - Osteocyte
4) ☒ osteoclast
- 36) Choose the correct statement form the following:
1) - M-CSF and RANKL are essential polypeptides for osteoblasts development produced by osteoclasts
2) ☒ M-CSF and RANKL are essential polypeptides for osteoclasts development produced by osteoblasts
3) - M-CSF and RANKL are essential polypeptides for osteocyte development produced by osteoblasts
4) - Neither statement is correct
- 37) Which of these blood formed elements are primarily responsible for clotting?
1) ☒ Platelets
2) - RBCs
3) - WBCs
4) - Plasma
- 38) What is the main component of plasma?
1) - Proteins
2) ☒ Water
3) - Electrolytes
4) - Hormones
- 39) Which white blood cell type is involved in fighting parasitic infections?
1) - Neutrophils



- 2) ☒ Eosinophils
3) ☐ Monocytes
4) ☐ Lymphocytes
- 40) Which of the following is not a granulocyte?
1) ☒ Lymphocyte
2) ☐ Neutrophil
3) ☐ Eosinophil
4) ☐ Basophil
- 41) The largest WBCs in the blood is:
1) ☐ Neutrophil
2) ☐ Eosinophil
-
- 3) ☒ Monocyte
4) ☐ Lymphocyte
- 42) Where does hematopoiesis primarily occur in adults?
1) ☐ Liver
2) ☒ Bone marrow
3) ☐ Spleen
4) ☐ Lymph nodes
- 43) Which cell type is the progenitor of all blood cells?
1) ☐ Myeloblast
2) ☒ Pluripotential Hemopoietic stem cells
3) ☐ Lymphoblast
4) ☐ Megakaryocyte
- 44) The first recognizable cell in the erythropoietic series is:
1) ☐ Erythrocyte colony-forming units
2) ☐ Myeloblast
3) ☒ Proerythroblast
4) ☐ Reticulocyte
- 45) Which cell type is characterized by basophilic cytoplasm and azurophilic granules?
1) ☐ Myeloblast
2) ☐ Myelocytes
3) ☒ Promyelocyte
4) ☐ Metamyelocytes
- 46) Which type of bone marrow is most active in hematopoiesis in adults?
1) ☐ Yellow marrow
2) ☒ Red marrow
3) ☐ Both red and yellow
4) ☐ Neither yellow nor red
- 47) Which type of these muscles regenerates the best after injury?
1) ☐ Skeletal muscle
2) ☐ Cardiac muscle
3) ☒ Smooth muscle
4) ☐ All answers are correct
- 48) A dense connective tissue, surrounds the entire muscle
1) ☒ Epimysium
2) ☐ Perimysium
3) ☐ Endomysium



- 4) - Epichondrium
- 49) Where is the dyad typically located in a cardiac muscle?
- 1) ☒ At the Z line
 - 2) - At the M line
 - 3) - At the H line
 - 4) - At the A-I junction
- 50) Which of these characteristics is incorrect about slow oxidative(Red) muscle fibers?
- 1) - Small cell
 - 2) - Have high amount of myoglobin and cytochrome
 - 3) - Rich in mitochondria and capillaries
 - 4) ☒ Its contraction is fast for short periods
- 51) Which cells are involved in the repair and growth of skeletal muscle fibers?
- 1) - Fibroblasts
 - 2) ☒ Satellite cells
 - 3) - Stellate cell
 - 4) - None answer is correct
- 52) A protective device, monitors excessive tension
- 1) ☒ Golgi tendon organ
 - 2) - Golgi apparatus
 - 3) - Muscle Spindles
 - 4) - None answer is correct
- 53) Which of the muscles bellow has a 40% or more of cytoplasmic volume occupied by mitochondria?
- 1) - Striated muscles
 - 2) ☒ Cardiac muscle
 - 3) - Smooth muscles
 - 4) - Neither answer is correct
- 54) Which of the following is not a junction found in intercalated discs?
- 1) - Desmosome
 - 2) - Adherent junction
 - 3) ☒ Hemidesmosome
 - 4) - Gap junction
- 55) The input part of the neuron that receives incoming signals from other neurons, is:
- 1) - Axon
 - 2) ☒ Dendrites
 - 3) - Nissl bodies
 - 4) - Myelin sheath
- 56) Which of the following organelles are abundant in the perikaryon, but not the axon and involved in protein synthesis?
- 1) ☒ Nissl bodies
 - 2) - Golgi apparatus
 - 3) - Mitochondria
 - 4) - Centrioles
- 57) Pseudounipolar neurons are present in the:
- 1) - Sympathetic ganglia
 - 2) - Parasympathetic ganglia
 - 3) ☒ Spinal ganglia
 - 4) - All answers are correct
- 58) Which of the following is not a function of neuroglial cells?
- 1) - Maintaining homeostasis in the nervous system



- 2) - Providing structural support to neurons
 - 3) - Forming the myelin sheath
 - 4) + Conducting nerve impulses
- 59) Blood-brain barrier is formed by which of these glial cells?
- 1) + Astrocytes
 - 2) - Microglia
 - 3) - Oligodendrocytes
 - 4) - Schwann cell
- 60) What is a key difference between oligodendrocytes and Schwann cells?
- 1) - Oligodendrocytes myelinate only one axon, while Schwann cells myelinate multiple axons
 - 2) + Oligodendrocytes myelinate multiple axons, while Schwann cells myelinate only one axon
 - 3) - Both myelinate multiple axons
 - 4) - Both myelinate only one axon