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Информация о владельце:

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Должность: ректор

Diagnostic testing

HISTOLOGY, CYTOLOGY, EMBRYOLOGY Terms 2nd, 3rd

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| e /a68t5eaa1e626/4b54t4998099d5d6btdct856 Qualification | Specialist |
|---|--|
| Specialty | 31.05.01 General Medicine |
| Form of education Designer Department | Full-time Department of Pathophysiology and General Pathology |
| Graduate Department | Internal Diseases |

TERM 2

| Competence | Tasks | Possible answers | Complexity |
|-------------------------------|--|--|------------|
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 1. THE CYTOPLASM CONSISTS OF THE FOLLOWING STRUCTURES | 1) karyoplasm, karyolemma, chromatin, nucleolus 2) hyaloplasm, karyoplasm, cytoskeleton 3) hyaloplasm, organelles, inclusions 4) submembrane support-contractile apparatus, hyaloplasm, organelles 5) glycocalyx, hyaloplasm, support-contractile apparatus | low |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 2. ORGANELLES OF THE CELL ARE DIVIDED INTO | 1) protein, non-protein, mixed 2) general, special; membrane, non-membrane 3) general, special, mixed; membrane, non-membrane 4) general, special; membrane, non-membrane, mixed 5) temporary, permanent | low |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 3. WHAT KIND OF EPITHELIUM IS CALLED SINGLE- LAYERED? | 1) in which not all cells are connected to the basement membrane 2) in which all cells are connected to the basement membrane 3) in which cells are not connected to the basement membrane 4) keratinizing 5) transitional | low |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 4. WHICH EXOCRINE GLANDS ARE CALLED COMPOUND? | multicellular, with branched end sections with alveolar-tubular end sections and unbranched excretory duct with tubular end sections and unbranched excretory duct multicellular, with branched excretory duct multicellular | low |

| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 5. T-LYMPHOCYTES UNDERGO ANTIGEN- INDEPENDENT DIFFERENTIATION IN | 1) lymph nodes 2) thymus 3) spleen 4) appendix 5) tonsils | low |
|-------------------------------|---|---|--------|
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 6. CHARACTERIZE HUMAN GASTRULATION | 1) occurs after implantation by delamination, migration and invagination 2) occurs before implantation by delamination, migration and invagination 3) occurs in parallel with implantation by delamination, migration and invagination 4) occurs in parallel with implantation in two phases by delamination, then migration and invagination 5) occurs after implantation by delamination, migration and epiboly | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 7. NAME THE PROCESSES BY WHICH THE EMBRYO ESTABLISHES A CONNECTION WITH THE MOTHER'S BODY (UTERUS) | 1) gastrulation, placentation 2) implantation; placentation 3) placentation, histogenesis 4) fertilization, placentation 5) placentation, intussusception | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 8. THE EMBRYOBLAST SERVES AS A SOURCE OF FORMATION | chorion and allantois chorion embryonic body, amnion and yolk sac embryonic body, amnion, yolk sac and allantois amnion, yolk sac and allantois | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 9. NAME THE PERIOD OF EMBRYOGENESIS IN WHICH THE TRANSITION FROM THE UNICELLULAR STAGE OF DEVELOPMENT TO THE MULTICELLULAR STAGE OCCURS | 1) fertilization 2) gastrulation 3) histogenesis 4) cleavage 5) ontogenesis | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 10. WHICH ORGANS CONTAIN DENSE FORMED FIBROUS CONNECTIVE TISSUE? | 1) skeletal muscles 2) tendons, skin 3) ligaments, skin 4) ligaments, tendons 5) hematopoietic organs | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 11. DESCRIBE THE STRUCTURE OF CARTILAGE AS AN | periosteum, outer general plates, layers of poorly differentiated and differentiated cartilage periosteum, layers of poorly differentiated and differentiated cartilage | medium |

| | ORGAN | 3) perichondrium, outer general plates, layers of poorly differentiated and differentiated cartilage 4) perichondrium, outer general plates, layer of differentiated cartilage 5) perichondrium, layers of poorly differentiated and differentiated cartilage | |
|-------------------------------|---|---|--------|
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 12. WHERE ARE THE CELLS LOCATED THAT REGENERATE BONE TISSUE AFTER BONE FRACTURES? | 1) in the osteon canal perivascularly, in the cambial layer of the periosteum, in the endosteum 2) in the osteon canal perivascularly, in the fibrous layer of the periosteum, in the endosteum 3) in the cambial layer of the periosteum, in the endosteum 4) in the osteon canal perivascularly, in the endosteum 5) in the osteon canal perivascularly, in the cambial layer of the periosteum, in the intercalated plates | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 13. WHAT STRUCTURES DOES THE MYOFIBRIL SARCOMERE CONSIST OF? | 1) half of I-band, A-band and another half of I-band 2) Z-line, half of I-band, A-band, another half of I-band, second Z-line 3) A-band, I-band, two Z-lines 4) A-band, Z-line and half of I-band 5) I-band, Z-line and half of A-band | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 14. REPARATIVE REGENERATION OF SKELETAL MUSCLE TISSUE OCCURS DUE TO | only intracellular regeneration only due to cellular regeneration due to a combination of intracellular and cellular regeneration processes does not occur at all occurs only in early postnatal ontogenesis by intracellular regeneration | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 15. DESCRIBE THE STRUCTURE OF UNMYELINATED NERVE FIBER | 1) one axial cylinder, myelin sheath, neurilemma, basement membrane 2) several axial cylinders, myelin sheath, basement membrane 3) one axial cylinder, glial limiting membrane, basement membrane 4) one axial cylinder, glial limiting membrane, myelin sheath, basement membrane 5) several axial cylinders suspended on mesaxons, lemmocyte cytoplasm, basement membrane | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Give the correct answer 16. SEVERAL MONTHS AFTER ABDOMINAL SURGERY, THE PATIENT COMPLAINS ABOUT UNPLEASANT SENSATIONS IN THE ABDOMINAL CAVITY AND DIGESTION | | high |

| | IMPAIRMENT. THE | |
|--------------------|-------------------------|------|
| | DOCTOR SUSPECTS | |
| | THE DEVELOPMENT OF | |
| | ADHESION PROCESS IN | |
| | | |
| | THE AREA OF | |
| | SURGICAL | |
| | INTERVENTION. | |
| | DISRUPTION OF WHICH | |
| | EPITHELIUM | |
| | REGENERATION | |
| | CAUSES THE FUSION | |
| | OF PERITONEAL | |
| | | |
| | LAYERS? | |
| GPC-5.1 | Give the correct answer | high |
| GPC-5.2 | 17. N EXAMINATION OF | |
| GPC-5.6 | THE PATIENT | |
| | REVEALED AREAS OF | |
| | INCREASED | |
| | KERATINIZATION OF | |
| | THE EPIDERMIS. WHAT | |
| | | |
| | CELLULAR DIFFERONS | |
| | (CELLULAR LINES) | |
| | ARE PRESENT IN THIS | |
| | EPITHELIUM? | |
| GPC-5.1 | Give the correct answer | high |
| GPC-5.2 | 18. ATHEROSCLEROTIC | |
| GPC-5.6 | PLAQUES ARE FOUND | |
| | ON THE INNER | |
| | SURFACE OF VESSELS. | |
| | WHAT TYPE OF | |
| | | |
| | EPITHELIUM IS | |
| | IMPAIRED IN | |
| | FUNCTIONING? | |
| GPC-5.1 | Give the correct answer | high |
| GPC-5.2 | | |
| GPC-5.6 | 19. WHAT TYPE OF | |
| | CLEAVAGE IS | |
| | CHARACTERISTIC OF | |
| | THE HUMAN ZYGOTE? | |
| GPC-5.1 | Give the correct answer | high |
| GPC-5.1 GPC-5.2 | Give the correct unswer | mgn |
| | 20 INTELLE EARLY | |
| GPC-5.6 | 20. IN THE EARLY | |
| | STAGES OF | |
| | DEVELOPMENT OF THE | |
| | MAMMALIAN | |
| | EMBRYO, A | |
| | TROPHOBLAST IS | |
| | FORMED. WHAT | |
| | TISSUE IS FORMED | |
| | FROM IT IN THE | |
| | | |
| | PLACENTA? | |

TERM 3

| Competence | Tasks | Possible answers | Complexity type |
|-------------------------------|--|---|--------------------|
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 1. WHAT STRUCTURE DOES THE AIRWAY END WITH? | 1) terminal bronchiole 2) respiratory bronchiole 3) respiratory bronchiole 4) alveolar bronchiole 5) small caliber bronchi | low |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 2. WHICH CELLS PERFORM THE STEM CELL FUNCTION IN THE EPITHELIUM OF THE TRACHEAL MUCOSA? | 1) goblet 2) ciliated 3) endocrine 4) non-ciliated 5) basal | low |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 3. TASTE BUDS ARE CONTAINED IN THE FOLLOWING PAPILLA: | filiform papillae circumvallate filiform, fungiform, circumvallate fungiform, foliate, circumvallate all papillae of the tongue | low |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 4. WHAT TYPE OF CAPILLARIES ARE IN THE LIVER? | 1) continuous 2) fenestrated 3) sinusoidal 4) lacunar 5) mixed | low |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 5. WHICH STRUCTURE IS THE MORPHOFUNCTIONAL UNIT OF THE ENDOCRINE PART OF THE PANCREAS? | 1) pancreatic lobule 2) pancreatic acinus 3) terminal secretory section 4) pancreatic islet 5) pancreatic acinus, intercalated and interacinar excretory ducts | low |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 6. WHAT ARE THE MORPHOFUNCTIONAL CHARACTERISTICS OF THE PAROTID SALIVARY GLAND? | 1) complex, branched, mucous- proteinaceous, two types of terminal sections 2) complex, branched, protein-mucous, two types of terminal sections 3) complex, branched, mucous- proteinaceous, three types of terminal sections 4) complex, unbranched, proteinaceous, two types of terminal sections 5) complex, branched, proteinaceous, one type of terminal sections | medium |
| GPC-5.1 GPC-5.2 | Indicate one correct answer 7. WHAT IS THE | oblique, longitudinal oblique, circular, longitudinal | medium |

| GPC-5.6 | CORRECT SEQUENCE (FROM THE INSIDE TO THE OUTSIDE) OF THE LAYERS OF THE MUSCULAR COAT OF THE STOMACH? | 3) circular, longitudinal 4) circular, oblique, longitudinal 5) circular, longitudinal, oblique | |
|-------------------------------|--|---|--------|
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 8. WHAT PROCESSES OCCUR IN THE RED BONE MARROW? | formation of erythrocytes, granulocytes, platelets formation of B-lymphocytes and precursors of T-lymphocytes transformation of precursors of T-lymphoblasts into T-lymphocytes reproduction of T- and B-lymphocytes and their specialization into effector cells formation of erythrocytes, granulocytes, platelets, B-lymphocytes and precursors of T-lymphocytes | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 9. WHAT IS THE OVARIAN CORTEX? | loose fibrous irregular connective tissue with blood vessels and nerves a set of follicles and corpora lutea at different stages of development a set of corpora lutea at different stages of development a set of corpora alba and atretic follicles a set of primordial follicles | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 10. THE STRUCTURE OF THE OVIDUCT IS CHARACTERISTIC | presence of mucous, submucous, muscular and adventitial membranes presence of mucous, muscular and adventitial membranes presence of mucous, muscular and serous membranes presence of mucous, submucous, muscular and serous membranes presence of mucous, submucous, muscular and adventitial membranes | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 11. THE CENTRAL ORGANS OF THE ENDOCRINE SYSTEM INCLUDE | 1) parathyroid gland, adrenal gland, pineal gland 2) hypothalamus, pineal gland, pituitary gland 3) thyroid gland, thymus, islets of Langerhans of the pancreas 4) endocrine parts of the gonads, adrenal medulla 5) adrenal cortex, diffuse endocrine system | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 12. HOW ARE ARTERIES CLASSIFIED BY MORPHOLOGICAL FEATURE? | 1) muscular, non-muscular 2) muscular, non-muscular, muscular- elastic 3) muscular, elastic and mixed types 4) fibrous, muscular, elastic 5) fibrous, muscular, non-muscular, elastic | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 13. WHAT ARE THE SOURCES OF HEART DEVELOPMENT? | 1) mesenchyme 2) endoderm and mesenchyme 3) parts of the visceral leaf of the splanchnotome and ectoderm 4) parts of the visceral leaf of the | medium |

| | | splanchnotome and mesenchyme 5) parts of the parietal leaf of the splanchnotome and mesenchyme | |
|-------------------------------|--|--|--------|
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 14. THE BLOOD- ENCEPHALIC BARRIER IS | 1) perivascular space 2) a set of components of the capillary wall, glial elements and their derivatives, providing selective penetration of various substances to neurons 3) neurohemal organ 4) terminal expansion of neurocyte axons 5) a set of components of the capillary wall | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Indicate one correct answer 15. CYTOARCHITECTONICS OF THE CEREBRAL CORTEX IS | regular arrangement of Betz cells regular arrangement of nerve fibers of the cortex regular arrangement of neurons of the cortex regular arrangement of neuroglia regular arrangement of stellate cells | medium |
| GPC-5.1 GPC-5.2 GPC-5.6 | Give the correct answer 16. WHICH CELLS IN THE TESTIS ARE THE MAIN PRODUCERS OF TESTOSTERONE? | | high |
| GPC-5.1 GPC-5.2 GPC-5.6 | Give the correct answer 17. WHICH HORMONE CAUSES THE ONSET OF THE SECRETORY PHASE OF THE MENSTRUAL CYCLE? | | high |
| GPC-5.1 GPC-5.2 GPC-5.6 | Give the correct answer 18. WHICH PART OF THE NEPHRON HAS A BRUSH BORDER? | | high |
| GPC-5.1 GPC-5.2 GPC-5.6 | Give the correct answer 19. WHEN A PERSON HAS CHILLS, SO- CALLED "GOOSEBUMPS" APPEARS. WHAT IS THE STRUCTURAL BASIS OF THIS PHENOMENON? | | high |
| GPC-5.1 GPC-5.2 GPC-5.6 | Give the correct answer 20. WHAT IS THE PROCESS OF DESTRUCTION OF OVARIAN FOLLICLES CALLED? | | high |