EXAMINATION QUESTIONS
for the 2-year English speaking students of the international faculty of medical education

1. The subject and the contents of anatomy.
2. Bone as an organ. Classification of bones.
3. The vertebrae: their constitution in various departments of a vertebral column. Joints between the vertebrae.
4. The vertebral column as a whole: constitution, formation of its flexures, locomotions.
5. The ribs and the breast-bone: their development, constitution, variants and anomalies; joints of ribs with vertebrae and breast-bone. The thoracic cage as a whole.
6. The orbit: constitution of its walls, foramina, their purpose.
7. The temporal bone, its parts, foramina, canals and their purpose.
8. The sphenoid bone, its parts, foramina, canals and their purpose.
9. The pterigopalatine fossa, its parts, foramina, canals and their purpose.
10. The nasal cavity: constitution of walls. The paranasal sinuses.
11. The upper surface of a base of the skull; foramina and their purpose.
12. The external surface of a base of the skull; foramina and their purpose. The temporal and the infratemporal fossae.
13. Bone articulations: classification of joints, their functional features.
14. Constitution of a joint. Classification of joints on the form of articulate surfaces, on the quantity of axes and on functions.
15. The joints of bones of the skull, kinds of sutures. The temporomandibular joint: constitution, form.
16. Bones of the shoulder girdle and their joints.
17. The shoulder joint: constitution, form, biomechanics.
18. The ulnar joint, features of its constitution; biomechanics.
19. The radiocarpal joint: constitution, form, locomotions.
20. The pelvic bones and their joints. The pelvis as a whole.
21. The hip joint: constitution, form, locomotions.
22. The knee joint: constitution, form, locomotions.
23. The ankle joint: constitution, form, locomotions.
24. Bones of the leg and the foot: their joints. The arches of the foot.
25. The general anatomy of muscles; constitution of a muscle as an organ. Classification (on the form, the constitution, the location and functions). The auxiliary device of muscles.
26. Muscles and fasciae of the chest: topography, constitution, functions, blood supply and innervation.
27. Anatomy of the abdominal muscles: topography, constitution, functions, blood supply and innervation. The sheath of the rectus abdominis muscle. Linea alba of the abdomen.
28. The inguinal canal: walls, the deep and the superficial rings; contents of the canal.
29. The thoracoabdominal diaphragm, its parts, topography, constitution, functions, blood supply and innervation. Weak places of the diaphragm.
30. Muscles of the neck. Topography of muscles and fasciae of the neck. Triangles of the neck.
31. Muscles of facial expression: constitution, functions, blood supply and innervation. Value of a facial expression.

32. Muscles of mastification: topography, fasciae, constitution, functions, blood supply and innervation.
33. Muscles and fasciae of the shoulder girdle: topography, constitution, functions, blood supply and innervation.
34. Muscles and fasciae of the upper arm: topography, constitution, functions, blood supply and innervation.
35. Muscles and fasciae of the forearm: topography, constitution, functions, blood supply and innervation.
36. Muscles of the hand: functions, blood supply, innervation.
37. The axillary fossa: walls, the quadrangular and the triangular openings and their purpose. The canal of the radial nerve.
38. Anatomy of the hip region: topography of muscles, functions, blood supply, innervation.
39. The anterior muscles and fasciae of the thigh: topography, constitution, functions, blood supply and innervation. The lacuna vasorum and the lacuna musculorum. The canalis adductorius.
40. The femoral canal: walls and rings (internal and external), practical value.
41. The medial and the posterior muscles and fasciae of the thigh: topography, constitution, functions, blood supply and innervation.
42. Muscles and fasciae of the leg and the foot: topography, constitution, functions, blood supply and innervation.
43. The concept about topography of internal organs (holotopy, syntopy, sceletotopy).
44. The oral cavity: the vestibule of the mouth and the cavity of the mouth proper; the hard and the soft palate: constitution, blood supply, innervation.
45. The deciduous and the permanent teeth. The dentition, its formation, blood supply and innervation of teeth.
46. The tongue: constitution, functions, blood supply, innervation, regional lymphatic nodes.
47. The parotid, the sublingual and the submandibular glands: position, constitution, ducts, blood supply and innervation.
48. The pharynx: topography, constitution, functions, blood supply, innervation, regional lymphatic nodes. The lymphoid ring of the pharynx.
49. The esophagus: topography, constitution, blood supply, innervation, regional lymphatic nodes.
50. The stomach: constitution, topography, blood supply, innervation, regional lymphatic nodes.
51. The small intestine: parts, constitution, topography, the relation with peritoneum, blood supply, innervation.
52. The duodenum: parts, constitution, topography, the relation with peritoneum, blood supply, innervation.
53. The colon: parts, constitution, topography, blood supply, innervation, regional lymphatic nodes.
54. The caecum: position, constitution, topography of the vermiform-process, the relation with peritoneum, blood supply, innervation.
55. The rectum: parts, constitution of the wall, topography, blood supply, innervation, regional lymphatic nodes.
56. The liver and the gallbladder: constitution, topography, blood supply, innervation, regional lymphatic nodes.

57. The pancreas: parts, constitution, topography, blood supply, innervation, regional lymphatic nodes.
58. The peritoneum: constitution, functions. The concept about the peritoneal cavity. Derivatives of the peritoneum: ligaments, mesentery, omentums.
59. The external nose. The nasal cavity (olfactory and respiratory regions), the paranasal sinuses, blood supply and innervation of their mucosa.
60. The larynx: cartilages, joints, muscles. The rima glottidis. The cavity of the larynx.
61. The trachea and the bronchi: constitution, topography, blood supply, innervation.
62. The lungs: constitution, functions. Projections of the lungs on a surface of a thoracic cage. Segments of the lungs.
63. The pleura: parts, constitution, the pleural cavity and the sinuses. Projection of the pleural sacs on a surface of a thoracic cage.
64. The mediastinum: borders, departments, organs of the mediastinum.
65. The kidneys: topography, constitution, functions, blood supply, innervation, regional lymphatic nodes.
66. The ureters, the urinary Madder: constitution, topography, blood supply, innervation. The urethra, its sexual features.
67. The testis and the epididymis: development, constitution, blood supply, innervation. An intrasecretory part of the testis. Coats of the testis. The spermatic cord.
68. The prostate gland, the semen vesicles: constitution, functions. The bulbourethral glands, their relation with urethra. Blood supply, innervation, regional lymphatic nodes. Man's external genital organs.
69. The ovaries: topography, constitution, the relation with peritoneum, blood supply, innervation.
70. The uterus: development, constitution, parts, topography, ligaments, relation with peritoneum, blood supply, innervation, regional lymphatic nodes.
71. The uterine tubes: constitution, functions, relation with peritoneum, blood supply and innervation.
72. The vagina and external genital organs of a woman: constitution, blood supply, innervation.
73. The perineum: muscles and fasciae, blood supply, innervation. Sexual features of a perineum constitution.
74. The general anatomy of the vascular system, laws of the vessels allocation and branching. Anastomoses of arteries and anastomoses of veins.
75. The features of circulation of a fetus and its change after birth.
76. The heart: constitution of the wall. Topography. Conductive system of heart. Blood supply and innervation of heart.
77. The heart: constitution of chambers, projection of borders and valves of heart at the anterior thoracic wall. Places of listening of the valval device of heart.
78. The big and the small circulation circles (general characteristic).
79. The aorta and its parts. The Branches of the aortic arch and its thoracic department (parietal and visceral).
80. Parietal and visceral (paired and unpaired) branches of the abdominal part of aorta, regions of their blood supply.
81. The common, the external and the internal iliac arteries, their branches.
82. The external carotid artery: topography, branches, regions of blood supply.
83. The internal carotid artery: topography, course, branches, regions of blood supply.
84. The subclavian artery: topography, branches, regions of blood supply.

85. The axillary and the brachial arteries: topography, branches, regions of blood supply. Blood supply of the shoulder joint.
86. The arteries of forearm and hand: topography, branches, regions of blood supply.
87. The femoral and the popliteal arteries: topography, branches, regions of blood supply.
88. The arteries of leg and foot: topography, branches, regions of blood supply.
89. The superior vena cava: sources of formation and topography. The azygos and the hemiazygos veins and their anastomoses.
90. The inferior vena cava: sources of formation and topography. Inflows of the inferior veina cava and their anastomoses.
91. The Portal vein: inflows and topography. Branching of the portal vein in liver. Anastomoses of the portal vein and its inflows.
92. The veins of brain. Venous sinuses of the meninx. The emissar and the diploetic veins.
93. Superficial and deep veins of the upper and the lower extremities and their topography.
94. Constitution of the lymphatic system (capillaries, vessels, truncs, ducts), outflow tracts of a lymph in venous system.
95. The lymphatic vessels and regional lymphatic nodes of the head and the neck.
96. The lymphatic vessels and regional lymphatic nodes of the upper and the lower extremities.
97. The lymphatic vessels and regional lymphatic nodes of organs of thoracic, abdominal and pelvic cavities.
98. The organs of the immune system, their classification. The central and the peripheric organs of the immune system. The spleen.
99. The Nervous system, its value in an organism. The concept about a neurone. Simple and complex reflex arches.
100. The spinal cord: internal and external constitution. Localization of conduction paths in white matter. The concept about a segment of a spinal cord. Blood supply of a spinal cord.
101. Development of a brain - cerebral vesicles and their derivatives. Places of an output of 12 pairs of cranial nerves from the brain.
102. Sulci and gyri of the superolateral surface of the hemispheres.
103. Sulci and gyri of the medial and the basal surfaces of the hemispheres.
104. Associative, comissural and projective fibers of hemispheres of a brain: (the corpus collosum, the fornix, the comissurae, the internal capsule).
105. Internal constitution of the hemispheres. Lateral cerebral cavities, their wails. The basal nuclei of the hemispheres.
106. The diencephalon: parts, constitution: III ventricle.
107. The mesencephalon: parts, external and internal constitution. The cerebral aqueduct.
108. The metencephalon. The cerebellum: constitution, nuclei, peduncles - their fiber structure. The pons.
109. The myelencephalon, external and internal constitution, nuclei (topograph}' of nuclei of cranial nerves). IV ventricle.
110. The rhomboidal fossa, its relief, projection of nuclei of cranial nerves on its surface.
111. The conduction paths of exteroceptive kinds of sensitivity (pain, temperature,

tactions and pressure).

112. The conduction paths of proprioceptive sensitivity of cerebellar and cortical directions.
113. The motorial conductive pyramidal and extrapyramidal pathes.
114. The coats of a brain and a spinal cord, their constitution. Subdural and subarachnoidal spaces. Pathes a liquor circulation.
115. The spinal nerves and their branches. Formation of plexus of spinal nerves. Back branches of spinal nerves and regions of their allocation.
116. The cervical plexus: topography, branches, regions of innervation.
117. The branches of the supraclavicular part (short branches) of the brachial plexus, regions of innervation.
118. The branches of a subclavicular part (long branches) of the brachial plexus, regions of innervation.
119. The lumbar plexus: constitution, topography, nerves and regions of innervation.
120. The sacral plexus: nerves and regions of innervation. The sciatic nerve.
121. I, II pairs of cranial nerves. The conductive path of the visual analyzer.
122. III, IV, VI pairs of cranial nerves, regions of innervation. Pathes of pupillary jerk.
123. V pair of cranial nerves: nucleus, a course, branches, topography and regions of innervation.
124. The facial nerve: nuclei, course, branches, topography and regions of innervation.
125. VIII pair of cranial nerves, topography of its nuclei. Conduction paths of organs of acoustic and equilibrium.
126. The vagus nerve, its nuclei, course, branches, topography and regions of innervation.
127. IX pair of cranial nerves, nuclei, course, branches, topography and regions of innervation.
128. XI, XII pairs of cranial nerves, their nuclei, topography and regions of innervation.
129. The parasympathetic part of vegetative nervous system. General characteristic, nodes, allocation of branches, cranial and sacral parts.
130. The sympathetic department of vegetative nervous system, general characteristic. The sympathetic trunc: topography, nodes, branches, regions of innervation. The central and the peripheric parts.
131. The organ of acoustic and equilibrium: general plan of constitution and functional features.
132. The organ of sight: general plan of constitution, the eyeglobe and its auxiliary device.
133. The organs of taste and olfaction. Their topography, constitution, blood supply and innervation.
134. The general anatomy of the endocrine organs: the thyroid and the parathyroid glands, the pituitary body, the epiphysis, the adrenal glands: their constitution, topography, blood supply, innervation.

The Head of the Human Anatomy Department

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