

EXAM SUBJECTS- FIRST YEAR, SECOND SEMESTER

I.

1. Neurocranium in mammals
2. Desmocranium
3. Chondrocranium
4. Chondrocranium-chordal segment
5. Chondrocranium-prechordal segment
6. Development of the hypophysis
7. Branchial region-general features
8. First pharyngeal arch
9. Second pharyngeal arch
10. Third pharyngeal arch
11. Fourth and sixth pharyngeal arches
12. Pharyngeal clefts
13. Pharyngeal pouches
14. Development of the tongue
15. Development of the face
16. Development of the palate
17. Abnormalities in development of the face
18. General features of the teeth. General structure of the teeth. Periodontium.
19. Teeth articulation and occlusion
20. Temporomandibular joint- anatomy; clinical note –reduction of mandible dislocation
21. Laryngeal cartilages. Laryngeal muscles
22. Laryngeal cavity. Blood supply and nerve supply of the larynx
23. Nasopharynx
24. Oropharynx and laryngopharynx
25. Relations of the pharynx
26. Blood supply and nerve supply of the pharynx
27. Development of the larynx
28. Formation and evolution of the lung buds
29. Pseudoglandular period in lung development
30. Canalicular period in lung development
31. Terminal saccular period in lung development
32. Alveolar period in lung development
33. Abnormalities in the development of the respiratory system
34. Formation and evolution of the primitive heart tube
35. Subdivisions of heart tube and their evolution
36. Septum formation in the common atrium and in the atrioventricular canal
37. Septum formation in the common ventricle and in the conus cordis (bulbus cordis)
38. Abnormalities in the development of the cardiovascular system
39. Formation of the aortic arches
40. Evolution of the third aortic arch
41. Evolution of the fourth aortic arch
42. Evolution of the sixth aortic arch
43. Abnormalities in the evolution of the arterial arches
44. The conducting system of the heart-development and general features
45. Sinoatrial node
46. Atrioventricular node and bundle
47. Functional blood supply of the lung

48. Bronchial tree- microscopic structure. Anatomical basis of the changes in bronchial lumen
49. Left coronary artery
50. Right coronary artery
51. Veins of the heart
52. Nerve supply of the heart
53. Nerve supply of the lungs
54. Parotidomasseteric region
55. Submandibular triangle
56. Carotid triangle

II.

1. Mastoid part of temporal bone-location, structure, relations, clinical correlations
2. Anterior cranial fossa-definition, location, relations, clinical correlations
3. Middle cranial fossa-definition, communications, clinical correlations
4. Posterior cranial fossa-definition, communications, clinical correlations
5. Petrous part of temporal bone- location, structure, relations, clinical correlations
6. Sella turcica- definition, location, relations, clinical notes
7. Cavernous sinus- definition, location, relations, clinical correlations
8. Orbit-definition, relations, communications, clinical correlations
9. Nasal cavity-definition, lateral wall, roof and floor, communications
10. Nasal cavity- relations, nasal septum, nasal mucosa, vomeronasal organ, clinical correlations
11. Frontal, ethmoid and sphenoid paranasal sinuses-definition, location, relations, clinical correlations
12. Maxillary sinus- definition, location, relations, clinical correlations
13. Fontanelles- definition, location, evolution, clinical correlations
14. Temporal, infratemporal and pterygopalatine fossae-definition, contents
15. Mandible-description, anatomical landmarks, anatomical basis of the reduction of mandible dislocation
16. Muscles of facial expression-enumeration, nerve supply. Facial paralysis
17. Masticatory muscles-enumeration, location, biomechanics, nerve supply
18. Hyoid muscles-enumeration, nerve supply, movements
19. Sternocleidomastoid muscle- origin, insertion, topography, relations, nerve supply, biomechanics. Anatomical basis of the torticollis
20. Scalene muscles syndrome, anatomical basis
21. Cervical fascia-structure and general disposal
22. Superficial cervical fascia and platysma muscle
23. Subclavian artery-course, relations, enumeration of branches
24. Vertebral artery- course, relations, source for arterial circle of Willis
25. Internal thoracic artery-course, relations, clinical importance
26. Inferior thyroid artery-course, relations, clinical importance
27. Common carotid artery
28. Internal carotid artery
29. External carotid artery-course, relations in the topographic regions where it runs
30. Facial artery and vein- course, relations, branches, anastomoses
31. Lingual artery and vein-course, relations, branches, anastomoses
32. Superficial temporal artery-course, relations, branches
33. Occipital artery-course, relations, branches
34. Jugular and subclavian veins
35. Lymph vessels of head and neck

36. Cervical plexus-sensitive branches
37. Cervical plexus-motor branches
38. Carotid sinus-definition, location, structure, nerve supply, relations, clinical correlations
39. Carotid glomus- definition, location, structure, nerve supply, relations, clinical correlations. Other glomus structure-enumeration
40. Cranial nerves III, IV and VI-origin, course, relations, innervation territories
41. Cranial nerve V- origin, course, relations, branches, innervation territories
42. Cranial nerve VII- origin, course, relations, innervation territories
43. Cranial nerve IX- origin, course, relations, innervation territories
44. Cranial nerve X- origin, course, relations, innervation territories
45. Cranial nerves XI and XII- origin, course, relations, innervation territories
46. Parotid gland-definition, location, relations, nerve supply
47. Submandibular and sublingual glands-definition, location, relations, nerve supply
48. Thyroid gland-definition, location, structure, blood supply, nerve supply. Clinical notes.
49. Parathyroid gland-definition, location, structure, blood supply, nerve supply. Clinical notes.
50. Cervical sympathetic chain-definition, location, relations
51. Superior and middle cervical sympathetic ganglia-location, relations, branches
52. Stellate ganglion-definition, location, relations, branches, clinical correlations
53. Oral cavity-structure, contents, clinical correlations
54. Waldayer's ring, palatine tonsil- definition, aspect, location, relations, structure, role, clinical correlations
55. Trachea. Anatomical basis of tracheotomy
56. Esophagus-structure of its wall, relations

III.

1. Pulmonary pedicles-structure, extrinsic and intrinsic relations
2. Right lung-location, configuration, relations, surface projection
3. Left lung-location, configuration, relations, surface projection
4. Right lung-microscopic and functional structure
5. Left lung-microscopic and functional structure
6. Pulmonary circulation-circuit and vessels, their description and main relations. Blood-air barrier, clinical correlations.
7. Nutritive blood supply of lung. Bronchopulmonary lymph vessels
8. Control arterial segments-clinical correlations. Tracheal bifurcation-relations
9. Pleura- definition, location, microscopic structure, blood supply, nerve supply. Relation pleura-wall. Pleural pain
10. Pleural structures-enumeration. Costomediastinal recess-description and surface projection
11. Pleural structures-enumeration. Costodiaphragmatic recess-description and surface projection
12. Pulmonary ligament-description. Anatomical basis of the pleural syndromes-pneumothorax, hydrothorax, hemothorax, chylothorax. Clinical correlations
13. Relations of the plural dome-clinical correlations
14. Mediastinum-definition, topography. Clinical implications of mediastinal displacement-anatomical basis
15. Superior mediastinum-limits and contents
16. Anterior and middle mediastinum-limits and contents
17. Posterior mediastinum-limits and contents

18. Fibrous and serous pericardium-definition, location, relations, microscopic structure, nerve supply
19. Pericardial sinuses. The insertion of the pericardium on large vessels
20. Surface projection of the pericardium. Pericardial pain. Anatomical basis of the cardiac tamponade. Anatomical landmarks for the puncture of the pericardium
21. External aspect of the heart
22. Relations of the heart
23. Right atrium
24. Left atrium
25. Right ventricle
26. Left ventricle
27. Mitral valve apparatus
28. Tricuspid valve apparatus
29. Aortic valve apparatus. Aortic root
30. Mitroaortic valve and mitroaortic continuity-definition, location, structure, functional and clinical implications
31. Pulmonar valve apparatus
32. Fibrous skeleton of the heart-components and role
33. Right fibrous trigone-definition, location, relations, role
34. General concepts of myocardial structure
35. Surface projection of the heart. The absolute and relative dullness. X-ray contour of the heart
36. Ascending aorta and aortic arch
37. Ductus arteriosus-formation, evolution, persistence, relations. Clinical implications
38. Thoracic descending aorta
39. Superior vena cava
40. Azygos system
41. Thoracic duct and right lymphatic duct
42. Parietal and visceral lymph nodes of the thorax
43. Thoracoabdominal border-topography, description, communication between regions, lymphatic system
44. Thoracocervical border-topography, description, communication between regions, lymphatic system