

AHE - Exam Questions

4 questions from 4 groups

Group A: Locomotion system (bones, joints, muscles) and Topography – blue**Bones**

1. General structure and growth of a bone
2. Bones of limbs
3. Skull
4. Skull of newborn and temporomandibular joint
5. Vertebral column, sternum and ribs

Joints and corresponding regions

6. General structure of a joint
7. Joints of pectoral girdle
8. Shoulder joint and axilla
9. Elbow joint and cubital fossa
10. Joints and topographical sites of hand
11. Pelvis as a whole
12. Hip and sacroiliac joint
13. Knee joint and popliteal fossa
14. Ankle joint, joints of foot, foot arch and topographical sites of foot
15. Joints of vertebral column and thorax

Muscles

16. General structure and innervation of a muscle
17. Masticatory and facial muscles, fasciae of head
18. Muscles and fasciae of neck
19. Muscles and fasciae of thorax
20. Diaphragm and mechanism of breathing
21. Muscles and fasciae of abdomen
22. Pelvic and urogenital floors and their fasciae, ischioanal fossa
23. Muscles, fasciae, regions and topographic sites of back
24. Muscles, fasciae, regions and topographic sites of pectoral girdle
25. Muscles, fasciae, regions and topographic sites of arm
26. Muscles, fasciae, regions and topographic sites of forearm
27. Muscles, fasciae, regions and topographic sites of hand
28. Muscles, fasciae, regions and topographic sites of pelvic girdle
29. Muscles, fasciae, regions and topographic sites of thigh
30. Muscles, fasciae, regions and topographic sites of leg
31. Muscles, fasciae, regions and topographic sites of foot

Topography

32. Scalp and cranial vault, frontal and occipital regions
33. Orbit and nasal cavity
34. Face, infratemporal and pterygopalatine fossae
35. Regions, triangles and spaces of neck
36. Inguinal canal, abdominal wall and herniae
37. Topographical sites of upper limb
38. Topographical sites of lower limb
39. Vertebral canal and its contents
40. Topography of male pelvis and male genital organs
41. Topography of female pelvis and female genital organs

Group B: Organ systems (digestive, respiratory, urinary and genital, heart, endocrine glands and skin) – green**Digestive system**

1. Teeth
2. Tongue and palate
3. Salivary glands
4. Pharynx
5. Oesophagus
6. Stomach and omental bursa
7. Duodenum
8. Small intestine
9. Large intestine
10. Rectum
11. Liver
12. Gallbladder and bile ducts
13. Pancreas
14. Peritoneum and peritoneal cavity

Respiratory system

15. Nose, nasal cavity, paranasal sinuses and nasopharynx
16. Larynx
17. Trachea and bronchial tree
18. Lungs and alveolar tree
19. Pleura and pleural cavity
20. Mediastinum, its division and contents

Urinary system

21. Kidneys
22. Urinary tract
23. Male and female urethra

Genital system

24. Scrotum, testis and epididymis
25. Excretory male genital tract
26. Accessory male genital glands
27. External male genital organs
28. Ovarium and ovarian cycle
29. Uterine tube
30. Uterus and menstruation cycle
31. Placenta and fetal membranes
32. Vagina
33. External female genital organs

Heart

34. Heart – structure, cavities, valves
35. Conducting system of heart
36. Heart – vessels and innervation
37. Heart and circulation

Others

38. Thyroid and parathyroid glands
39. Suprarenal gland and other hormone producing organs
40. Pituitary gland
41. Mammary gland

42. Skin
43. Second week of development
44. Third week of development

Group C: Vascular and lymphatic system and peripheral nervous system - red

Arteries

1. Blood
2. Hemopoiesis
3. Aorta and coronary arteries
4. Abdominal aorta
5. Iliac arteries
6. External carotid artery
7. Maxillary artery
8. Internal carotid artery
9. Cerebral arterial circle
10. Vertebral artery
11. Subclavian artery
12. Arteries of upper limb
13. Arteries of lower limb

Veins

14. Dural venous sinuses and veins of the brain
15. Veins of neck
16. Superior vena cava and its tributaries, cavocaval anastomoses
17. Inferior vena cava and its tributaries, cavocaval anastomoses
18. Portal vein and portocaval anastomoses
19. Veins of thorax and portocaval anastomoses
20. Superficial veins and venous perforators of limbs
21. Deep veins and venous perforators of limbs

Lymphatic system

22. Spleen
23. Thymus, incompletely encapsulated and non-encapsulated lymphoid tissue
24. Lymphatic vessels and trunks
25. Lymphatic drainage of head and neck
26. Lymphatic drainage of thorax and upper limb
27. Lymphatic drainage of abdomen
28. Lymphatic drainage of pelvis and lower limb

Peripheral nervous system

29. General structure of spinal nerve and thoracic nerves
30. Dermatomes, myotomes, peripheral nerve fields, Head's zones, ganglia
31. Special sensory cranial nerves
32. Oculomotor, trochlear and abducent nerves
33. Trigeminal nerve
34. Facial nerve
35. Glossopharyngeal, vagus and accessory nerves
36. Vagus nerve
37. Cervical plexus and hypoglossal nerve
38. Brachial plexus
39. Lumbar plexus
40. Sacral plexus
41. Sympathetic trunk
42. Abdominal autonomic plexuses
43. Cranial parasympathetic system
44. Sacral parasympathetic system

Group D: Central nervous system and senses – yellow**Central nervous system**

1. General structure of nervous system (neuron, glia, synapsis, mediators, receptors)
2. Spinal cord – grey matter
3. Spinal cord – white matter and reflexes
4. Medulla oblongata, reflexes and function
5. Pons, reflexes and function
6. Mesencephalon, reflexes and function
7. Reticular formation
8. Cerebellum – structure and function
9. Cerebellum – connections and function
10. Diencephalon – division, epithalamus, subthalamus, metathalamus, pineal gland
11. Thalamus
12. Hypothalamus and pituitary gland
13. Internal capsule and white matter of telencephalon
14. Cortical functional areas
15. Basal ganglia
16. Limbic system
17. Association and commissural connections of brain
18. Motor tracts
19. Sensory tracts
20. Visual tract
21. Auditory and vestibular tracts
22. Olfactory and gustatory tracts
23. Meninges, brain ventricles and cerebrospinal fluid
24. Arteries of brain and spinal cord
25. Veins of brain and spinal cord
26. Chemical systems of brain
27. Topography of cranial cavity

Senses

28. Eye – anterior segment
29. Eye – posterior segment
30. Accessory structures of eye
31. Oculomotor muscles and topography of orbit
32. External ear
33. Middle ear
34. Internal ear
35. Smell
36. Taste
37. Touch
38. Pain
39. Interoceptors