

ANATOMY-Important questions

GENERAL ANATOMY

1. Types of epiphysis*
2. Reflex arc (diagram very imp)
3. Synovial joints
4. Hyaline cartilage*
5. Histology of bone
6. Histology of muscular artery*
7. CS of bone
8. Histology of lymph node
- *9. Classification of joints
11. Blood supply of long bone
- *12. Cartilage
13. Connective tissue – cells present
14. Primitive streak
15. Notochord
16. Fibrous joints
18. Somites
- *19. Histology of skeletal muscle
21. Spermatogenesis*
22. Sesamoid bone
- *23. Trisomy 21
24. Turner's Syndrome
25. Karyotyping
26. Cartilagenous joints
27. Histology of skin
28. Formation of blastocyst
30. Klinefelter's syndrome

HEAD AND NECK

Essays

1. Thyroid gland*
2. Tongue*
3. Extra-ocular muscles..
4. Parotid gland*
5. Pharynx
6. Facial Nerve.*
7. Muscle of mastication*
8. Dural venous sinus + Cavernous sinus..*
9. Pituitary gland+ devt.
10. Scalp..*
11. Submandibular gland
12. Carotid triangle.*.
13. Temporomandibular joint
- *14. Middle ear..
15. Abducent nerve
16. Lachrymal apparatus..

- 17. Larynx
- *18. Palatine tonsils
- 19. Mandibular nerve
- *20. Lateral wall of Nasal cavity

Short Notes:

- 1. Dangerous area of Scalp*
- 2. Dangerous area of face*
- 3. Emissary veins
- 4. Sensory innervations of face*
- 5. Facial muscles
- 8. Facial Artery*
- 9. Facial Vein
- 10. Sternocleidomastoid muscle
- 11. External Jugular vein and Internal jugular vein*
- 12. Boundaries and contents of Subclavian triangle*
- 13. Burn's space*
- 14. Pretracheal fascia*
- 17. Digastric muscle
- 18. Carotid sheath*
- 19. Ansa cervicalis*
- 20. External carotid artery branches*
- 21. Sub occipital nerve
- 22. Dural venous sinuses
- 27. Middle meningeal Artery
- 28. Superior cervical ganglion.
- 29. Inferior or Stellate ganglion.
- 31. Ciliary ganglion.
- 32. Nasociliary nerve.
- 33. Ophthalmic artery.
- 35. Structures within the parotid gland.
- 37. Otic ganglion.
- 38. Chorda tympani nerve.
- 39. Pterygopalatine ganglion
- 40. Petrosal nerves.
- 41. Hyoglossus muscle & its relations.
- 42. Submandibular ganglion.
- 43. Lingual artery.
- 46. Auditory tube.
- 47. Passavant's ridge & Killian's dehiscence.*
- 48. Muscles of the soft palate.
- 49. Tonsillar bed.*
- 50. Features, blood supply & nerve supply of the lateral wall of nasal cavity.*
- 51. Features, blood supply & nerve supply of the medial wall of nasal cavity/Nasal Septum*
- 52. Inlet of the larynx.
- 53. Piriform fossa.*
- 54. Rimopharynx.
- 55. Intrinsic muscles of the larynx

56. Vocal cords – attachments, muscles present & movements.
57. Tympanic membrane.
58. Mastoid antrum.
59. Organ of Corti.
60. Membranous labyrinth.
61. Waldeyer's ring.*
62. Maxillary artery
63. Paranasal air sinuses(Maxillary Sinus)*
64. Digastric triangle
65. Posterior triangle
66. Nucleus of origin, fibres present, course, distribution and effect of lesion of 3rd ,4th, 5th, 6th 7th ,9th,11th and 12th cranial nerves.
67. Derivatives of 1st pharyngeal arch*
68. Derivatives of 2nd Branchial arch*
70. Development of tongue*
73. Styloid Apparatus
74. Development of face and its anomalies*
76. Histology of retina*
78. Venous drainage of face*
79. Middle meatus of nose
80. Atlanto-axial joint
81. Lymphatic drainage of tongue
83. External acoustic meatus
84. Sagittal section of eyeball

THORAX

Essays

1. Right Atrium + development*
2. Typical intercostal space
3. Heart*
4. Thoracic Diaphragm
7. Bronchopulmonary segments*
8. Right lung
9. Pleura
10. Lungs
11. Blood supply to the heart*
12. Trachea (histology)*
13. Left Ventricle
14. Thoracic duct
15. Superior mediastinum *
16. Arch of aorta

Short Notes:

2. Azygos system of veins.*
3. Pleural recesses.
4. Hilum of lungs.
5. Relations of Medial surface of Lungs with diagrams.*
6. Sinuses of Pericardium.*
7. External features of Heart.*

10. Ligamentum arteriosum + ductus arteriosus*
11. Superior Vena Cava
12. Pulmonary ligament*
13. Phrenic nerve
14. Recurrent laryngeal nerve*
15. Area of superficial cardiac dullness
16. Bronchiole
17. Pleural recess*
18. Sternal angle
19. Embryology of trachea
20. Transverse thoracis
21. Interventricular septum
22. Fissures of lung
23. Development of Interatrial septum**
24. Mitral valve
25. Cardiac plexus*
26. Brachiocephalic veins
27. Coronary sinus*
28. Nerve supply of heart
29. Fate of Aortic arches*
30. Internal Mammary artery

BRAIN

1. Internal Capsule**
2. Sulci and gyri with functional areas*
3. Types of sulci
4. Circle of willis***
5. Cerebrum
6. Ts at Inferior Colliculus*
7. Arterial supply of cerebral hemisphere*
8. Blood supply of spinal cord
9. Nuclei of thalamus *+
Thalamic pain
10. 4th ventricle*
11. Basal ganglia and its connections*
12. Classify white fibres of cerebrum + corpus callosum*
13. Interpeduncular fossa
14. TS at superior colliculus*
15. Lateral Medullary syndrome* and clinical anatomy of medulla difference between both syndromes*
16. Cerebellar peduncles
17. Dentate nucleus
18. Microscopic structure of ganglion
19. CS of pons @ facial colliculus*
20. Rhomboid fossa*

21. Calcarine sulcus*
22. Spinal cord at thoracic level
with tracts
23. Devt. And BS of cerebellum
24. Medial longitudinal fasciculus
25. Medulla at mid olivary level *
26. Ventricles*
27. Metathalamus
28. Histology of cerebral cortex
29. Horns of lateral ventricle
30. Histology of cerebellum*
31. Corpus Striatum
32. Neural Tube
33. Histology of Hypophysis cerebri*
34. Pathway of visual reflexes*
35. Meninges with meningeal spaces
36. Superolateral surface of cerebrum
37. Lumbar puncture
38. Clinical anatomy of pons*

UPPER LIMB

Essays:

1. Axillary Artery.
2. Mammary Gland.**
3. Brachial Plexus.*
4. Shoulder joint*
5. Brachial Artery.
6. Ulnar Nerve in Forearm & Hand.
7. Median Nerve in Forearm & Hand.
8. Radial Nerve.
9. Pronation and Supination*
10. Axillary nerve
11. Elbow joint
12. Radial artery
13. Spaces of hand

Short Notes :

1. Clavipectoral Fascia.*
2. Erb's point.*
3. Axillary Lymph Nodes
4. Lymphatic drainage of breast.**
5. Quadrangular & Triangular spaces.*
6. Serratus Anterior Muscle.
7. Deltoid Muscle.
8. Rotator Cuff of the Shoulder.*
9. Anatomical snuff box*
10. Anastomoses around scapula.
11. Changes at the level of Coracobrachialis

insertion.

12. Radial nerve in Radial groove.
13. Profunda brachii artery.
14. Anastomosis around Elbow.
15. Cubitalfossa.*
16. Supinator muscle.
17. Anterior & Posterior interosseous vessels & nerves.
18. Elbow joint.
19. Trapezius muscle
20. Wrist Joint.
21. 1st Carpometacarpal joint.
22. Extensor retinaculum.*
23. Flexor retinaculum.*
24. Dorsal digital expansion.
25. Superficial & Deep palmar arches.
26. Lumbricals.
27. Dorsal & Palmar interossei muscles.
28. Sensory Innervation of Hand.
29. Palmar aponeurosis.
30. Spaces of palm & forearm.
31. Carpal tunnel syndrome.*** features also
32. Radial & Ulnar bursa
33. Erb's paralysis* klumpke's paralysis
34. Flexor Pollicis longus
35. Cephalic vein
36. Movement of Thumb
37. Movement of fingers
38. Cutaneous nerves of hand
39. Bicipital aponeurosis
40. Brachialis muscle
41. Quadrangular space*
42. Lower end of humerus
43. Features of horners syndrome.*
44. Boundaries and contents of Axilla
45. Superior radio-ulnar joint
46. Musculo-cutaneous nerve
47. Mid-palmar space
48. Wrist drop

LOWER LIMB

Essays:

1. Femoral triangle.**
2. Hip joint.**
3. Sciatic nerve.
4. Arches of foot.*
5. Venous drainage of lower limb.
6. Knee joint*

7. Profunda femoris
8. Hamstrings*
9. Femoral Sheath
10. Lumbar plexus

Short notes:

1. Femoral artery.
2. Femoral nerve.
3. Profunda femoris artery & its perforating. branch & anastomoses in the back of thigh.
4. Fascia lata & Iliotibial tract.
5. Inguinal lymph nodes.
6. Quadriceps femoris.
7. Adductor magnus.
8. Adductor canal.**
9. Obturator nerve.
10. Gluteus maximus and structures under it**
11. Gluteus Medius & minimus with trendlenberg's sign.**
12. Cruciate & Trochanteric anastomoses.*
13. Clinical anatomy of hernia**
14. Guy ropes of the pelvis.*
15. Popliteal fossa.*
16. Popliteal artery.
17. Tibial nerve.
18. Common peroneal nerve.
19. Collateral ligaments of knee joint.
20. Cruciate ligaments of knee joint.
21. Menisci of knee joint.
22. Anastomosis around the knee joint.*
23. Popliteus - Locking & Unlocking of knee joint.*
24. Bursae around the knee joint.*
25. Dorsalis pedis artery.*
26. Extensor, Flexor & Peroneal retinacula.
27. Perforating veins.*
28. Ankle joint.
29. Cutaneous innervation of dorsum & sole of foot.*
30. Plantar aponeurosis
31. Inversion & Eversion.
32. Great Saphenous vein
33. Inguinal ligament
34. Tibial collateral ligament
35. Iliofemoral ligament
36. Spring ligament
37. Iliotibial tract
38. Tensor fascia lata
39. Structures passing through greater sciatic foramen*
40. Saphenous opening*
41. Blood supply of head of femur
42. Pudendal canal

43. Rectus femoris
44. Ligamentum patella
45. Peroneal retinacula
46. Extensor retinacula of leg
47. Piriformis muscle
48. Medial longitudinal arch of foot*
49. Muscles of foot (layer by layer)*with nerve supply

ABDOMEN

Essays:

1. Inguinal canal **
2. Stomach*
3. Duodenum**
4. Spleen
5. Pancreas
6. Liver
7. Extrahepatic biliary apparatus
8. Caecum and appendix
9. Portal vein +Portocaval anastomosis*
10. Suprarenal Gland
11. Diaphragm
12. Kidney
13. Splenic artery

Short Notes :

1. 9 regions of abdomen
2. Transpyloric plane
3. Umbilicus
4. Rectus sheath – formation and contents**
5. Cremaster muscle*
6. Falx inguinalis
7. Inguinal ligament and its modifications*
8. Hasselbach's triangle
9. Greater & Lesser omentum
10. Foramen Epiploicum*
11. Lesser sac/Omental bursa*
12. Pouch of Douglas*
13. Mesentery
14. Stomach bed*
15. Subphrenic spaces
16. Porta hepatis
17. Visceral surface of liver - relations*
18. Bare areas of the liver
19. Visceral surface of the spleen
20. Gall bladder
21. Bile duct

22. Calot's triangle*
23. Meckel's diverticulum*
24. Diff b/w ileum and jejunum*
25. Spermatic cord – Coverings and Contents**
26. Coeliac trunk
27. Superior & Inferior mesenteric arteries and veins
28. Testes.
29. Epididymis
30. Descent of Testis (locations at different months of IUL)& Cryptorchidism **
31. Marginal artery of Drummond*
32. Renal fascia
33. Relations of Kidney (anterior and posterior of both sides)**
34. Histology of spleen*
35. Development of pancreas** developmental anomalies
36. Histology of appendix*
37. Histology of fundus
38. Congenital anomalies of kidney
39. 2nd part of duodenum**
40. Histology of kidney
41. Development of diaphragm
42. Ligaments of liver
43. Development of liver & gall bladder & Anomalies.
 44. Referred Pain in cholecystitis.
45. Annular pancreas.
46. Rotation of midgut loop & its anomalies.
47. Tracheo oesophageal fistula.
48. Exomphalos, Omphalocele.
49. Gastrochisis.
50. Umbilical hernia*
51. Development of Kidney
52. Ascent of kidney
53. Coeliac ganglion
- 54 Normal Constructions of ureter

PELVIS AND PERINIUM

Essay

1. Urinary Bladder
2. Prostate
3. Uterus**
4. Rectum and Anal Canal*
5. Ischiorectal fossa*
6. Pelvic diaphragm

Short Notes

1. Interior of Urinary Bladder*
2. Ureter
3. Male Urethra
4. Pelvic diaphragm

5. Pudendal canal*
6. Boundaries and contents of superficial and deep perineal pouches in male and female. **
7. Perineal membrane –attachments, structures piercing* it in male and female.
8. Perineal body and its applied significance.**
9. Anal sphincters
10. Broad Ligament –attachments, contents, parts *
11. Supports of uterus**
12. Ovary
13. Uterine Tube
14. Pouch of Douglas*
15. Retropubic Space of Retzius –Boundaries and contents
16. Urogenital diaphragm
17. Haemorrhoids*
18. Devt. Of urinary bladder *
19. Superficial perineal pouch *
20. Trigone of bladder*
21. Prostatic part of urethra
22. Histology of ovary*
23. Cloaca and its fate*
24. Cloacal abnormalities.
25. Development of ureter and urinary bladder
26. Ectopia vesicae
27. Epispadias
28. Hypospadias
29. Derivatives of mesonephric ducts in male and female
30. Derivatives of paramesonephric ducts in male and female.
31. Developmental anomalies of uterus*
32. Development of Testis & Ovary
33. Descent of Testes*
34. Ischiorectal fossa *
35. Menstrual Cycle