

ANATOMY 1753

QUESTION BANK

UNIT 1: INTRODUCTION TO THE CONCEPTS OF ANATOMY

SHORT ESSAY

1. Classify connective tissue.
2. Classify Epithelium with examples for each. Describe in detail the stratified squamous epithelium with diagram.
3. Explain the anatomical structure of a human cell.
4. Explain in detail classification of connective tissues.
5. Describe in detail the stratified squamous epithelium with diagram.
6. Draw the labeled diagram of typical cell
7. Describe transitional epithelium with a labeled diagram. Give an examples
8. Describe pseudostratified columnar epithelium with a diagram

SHORT ANSWERS

1. Structure of cell.
2. Classification of tissues
3. Characteristics of tissues
4. Simple squamous epithelium
5. Types of connective tissue
6. Histology of cartilage
7. Parts of Mitochondria

UNIT 2: THE SKELETAL SYSTEM

SHORT ESSAY

1. Classify the bones with examples. Describe the histology of compact bone.
2. Classify synovial joints with examples
3. Describe shoulder joint in detail
4. Classify joints joints and explain humerus
5. Describe knee joint under following headings
 - a) type and articular surfaces
 - b) arterial supply
6. What is patella? Mention its importance

SHORT ANSWERS

1. Name the carpal bones

2. Name the bones forming the shoulder joint
3. Name the bones forming elbow joint
4. List the tarsal bones
5. Name any 4 cranial bones
6. Arterial supply of hip joint
7. Name the parts of sternum
8. List 4 features of lumbar vertebrae Muscles causing pronation and supination
9. Define the two types of skeleton
10. List any two differences between fetal and adult skull
11. Clavicle
12. Bones of the lower limb.
13. Draw a labeled diagram of synovial joint.
14. Name the parts of hip bone.
15. Parts of developing long bones.
16. List the bones of the upper limb.

UNIT III

MUSCULAR SYSTEM

SHORT ESSAY

1. Muscles of mastication
2. Describe rectus sheath and rectus abdominal muscle
3. Sternocleidomastoid muscle
4. Deltoid muscle
5. Trapezius muscle
6. Gluteus maximus muscle
7. Biceps brachii muscle
8. Name muscles of gluteal region. Describe gluteus maximus in detail

SHORT ANSWERS

1. Name the muscles of mastication
2. Name any 4 bones of pelvis
3. Name 2 pectoral muscles and give its nerve supply
4. Name 2 muscles of forearm
5. Name the muscles of back of the thigh
6. Name the contents of femoral triangle
7. Name 4 hamstring muscles
8. Name 4 parts of quadriceps femoris muscles
9. Name 4 muscles in the gluteal region
10. Femoral hernia

11. Mention the contents of cubital fossa
12. Mention the contents of popliteal fossa
13. List the type of muscles.
14. Muscles used for intramuscular injections.
15. Origin, insertion and nerve supply of deltoid muscle.
16. Mention the differences between skeletal and smooth muscle
17. List the type of muscles.

UNIT IV

THE NERVOUS SYSTEM

SHORT ESSAY

1. Name the parts of central nervous system and describe the cerebral hemisphere
2. Name the various lobes of cerebrum. Describe various functional areas of cerebrum
3. Explain the structure of cerebellum in detail
4. Describe brachial plexus of nerves
5. Spinal cord
6. Draw a neat labeled diagram of circle of Willis
7. Trochlear nerve
8. Explain cerebellum with its anatomical significance.
9. Classify nervous system and write a note on neurons
10. Ulnar nerve and its applied anatomy
11. Radial nerve and its applied anatomy

SHORT ANSWERS

1. Name the parts of the brain stem
2. Name ventricles of brain
3. Name major parts of central nervous system
4. Mention the functions of CSF
5. Name 4 cranial nerves
6. Mention the two functions of cerebellum
7. Spinal ganglion
8. What is wry neck
9. Erb's palsy
10. Carpal tunnel syndrome
11. Mention 2 parts of sciatic nerve
12. Neuralgia
13. Bell's palsy
14. Lumbar puncture
15. Name the branches of the trigeminal nerve

16. Mention the function of hypoglossal nerve
17. Explain the deformity in klumpke's paralysis
18. Special features of Medulla oblongata
19. Draw a labeled diagram of neurons.
20. Mention the parts of the brain
21. List the cranial nerves.
22. Name the parts of central nervous system
23. Name the meningeal coverings of brain in order.

UNIT V

THE SENSORY ORGANS

SHORT ESSAY

1. Draw a diagram of eyeball and briefly explain its parts
2. Describe the extra ocular muscles
3. Explain the parts of internal ear.
4. Describe 4 recti muscles
5. Describe the layers of skin with diagram.
6. Tympanic membrane
7. Tongue
8. Auditory tube
9. Epidermis
10. Superior and Inferior oblique muscle of eye
11. Structure of eyeball

SHORT ANSWERS

1. Layers Of Eye Ball
2. Name The Ear Ossicles
3. Any Four Functions Of Skin
4. Name any four functions of skin
5. Name the papillae of tongue
6. List the auditory apparatus
7. Name 3 parts of bony labyrinth
8. Mention the functions of eyelid
9. Give the nerve supply of extra-ocular muscles
10. Mention 4 contents of middle ear
11. Nerve supply to tongue.
12. Draw and label the diagram of skin.

13. Nasal sinuses.
14. Name the structure of the eye.

UNIT VI

CIRCULATORY & LYMPHATIC SYSTEM

LONG ESSAYS

1. Describe the gross anatomy of heart in detail
2. Name the chambers of the heart with a brief detail of each chamber and the valves in between them
3. Describe the right atrium in detail
4. Describe the ventricles of heart. Write a note on blood supply of heart
5. Explain spleen in detail location, external features, blood supply, histology and functions

SHORT ANSWERS

1. Waldeyer's ring
2. Mention the formation and termination of thoracic duct
3. Where is spleen located and give its four important functions
4. Name 4 groups of cervical lymph nodes
5. Apex beat
6. Branches of the right coronary artery
7. Name 3 layers of wall of blood vessels
8. Mention 2 differences between large and medium sized arteries
9. Mention 2 differences between the structure of large artery and large vein.
10. Chambers of heart

UNIT VII

THE RESPIRATORY SYSTEM

LONG ESSAYS

1. Describe the nasal cavity and its applied anatomy
2. Name the parts of respiratory tract and describe lungs in detail with applied aspects
3. Name the parts of the respiratory system. Describe the right lung in detail. Mention the differences from left lung

4. Describe the structure of lungs in detail with a diagram.

SHORT ANSWERS

1. Name the air sinuses opening into middle meatus
2. name the para nasal air sinuses
3. Name the openings in the lateral wall of nose
4. Name the bones forming nasal septum
5. Name 4 cartilages of larynx
6. Name 4 cartilages of larynx
7. Name any four muscles of pharynx
8. Name the parts of respiratory system
9. Name two pleural recesses
10. Mention 4 structures passing through the diaphragm
11. Mention the action of intercostals muscle
12. Respiratory muscles.
13. Name the parts of the respiratory system.

UNIT VIII

THE DIGESTIVE SYSTEM

LONG ESSAYS

1. Describe the location, blood supply, nerve supply and applied anatomy of rectum
2. Describe the parts , features, blood supply and histology of stomach
3. Mention different parts of digestive system. Describe the esophagus in detail
4. Name the salivary glands. Where do they open? Describe the parotid gland in detail
5. Name the parts of extra hepatic biliary apparatus. Describe the anatomy of the liver
6. Describe the pharynx
7. Describe the duodenum
8. Name the parts of digestive system. And describe stomach in detail.
9. Name the location, surfaces, borders, blood supply and applied anatomy of liver.

SHORT ANSWERS

1. Parotid gland
2. Submandibular gland
3. Oesophagus
4. Histology of oesophagus
5. Describe the blood supply of stomach
6. Stomach bed
7. Soft palate
8. Duodenum
9. Peritoneum and its function
10. Vermiform appendix
11. Mention the differences between small and large intestine
12. Describe pancreas
13. Name the blood vessels supplying the rectum
14. Difference between jejunum and ileum
15. Describe the interior of anal canal
16. Inferior/ visceral surface of liver
17. Name the peritoneal folds of liver
18. Name different lobes of liver
19. Nerve supply of small intestine
20. Name the Papillae of tongue.
21. List the parts of digestive system.
22. Name the parts of large intestine.

UNIT IX

THE EXCRETORY SYSTEM

SHORT ESSAY

1. The ureter
2. Histology of kidney
3. Urethra
4. Urinary bladder
5. Relations of right kidney
6. Male urethra
7. Describe the macroscopic structure of kidney
8. Describe nephron in detail.
9. Describe the kidney under following headings – location, shape, external features, coverings, relations and blood supply.

10. Describe urinary bladder in detail. Add a note on its applied anatomy.

SHORT ANSWERS

1. Name the parts of a nephron
2. Name the different parts of urinary system
3. Trigone of bladder
4. Mention the coverings of kidney
5. Draw a labeled diagram of nephron
6. Mention the constrictions of ureter
7. Mention 2 important relations of urinary bladder in females
8. Name the parts of male urethra

UNIT X

THE ENDOCRINE SYSTEM

SHORT ESSAYS

1. Describe the pituitary gland in detail
2. Name the endocrine glands. Describe the thyroid gland in detail
3. Name the endocrine glands. Describe the pancreas
4. Thyroid gland
5. Functions of adrenal gland
6. Parathyroid glands
7. Relations of thyroid gland
8. Describe pancreas under following heading- location, parts, importance relations and histology

SHORT ANSWERS

1. Name the endocrine glands
2. Mention the parts of pituitary gland
3. Mention the types of cells found in anterior pituitary
4. Name 2 hormones produced by neurohypophysis
5. Name any 4 hormones produced by pituitary gland
6. Name 2 arteries supplying the thyroid gland
7. Name 2 ovarian hormones
8. Name the hormones secreted by thyroid gland
9. Name the hormones secreted by placenta
10. Mention the blood supply of pancreas
11. Describe islets of langerhans
12. Name the disorders of thyroid gland.
13. Parts of thyroid gland.

UNIT XI

THE REPRODUCTIVE SYSTEM INCLUDING BREAST

SHORT ESSAYS

1. Name the parts of the female reproductive tract. Describe the anatomy of uterus
2. Name the parts of the female reproductive tract. Describe the anatomy of ovary
3. Describe the uterus and its ligaments
4. Describe the female reproductive system
5. Supports of uterus
6. Fallopian tube
7. Spermatogenesis
8. Prostate
9. Oogenesis
10. Describe the structure of mammary gland
11. Explain the location and structure of ovary.

SHORT ANSWERS

1. Name the internal organs of female reproductive system
2. Mention the parts of uterus
3. Name 4 ligaments of the uterus
4. Name the layers of wall of uterus
5. Name parts of fallopian tube
6. Mention the boundaries of ovarian fossa
7. Mention the layers of scrotum
8. Graffian follicle
9. Ductus deferens
10. Name the parts of male urethra.
11. Draw a diagram on the structure of uterus.