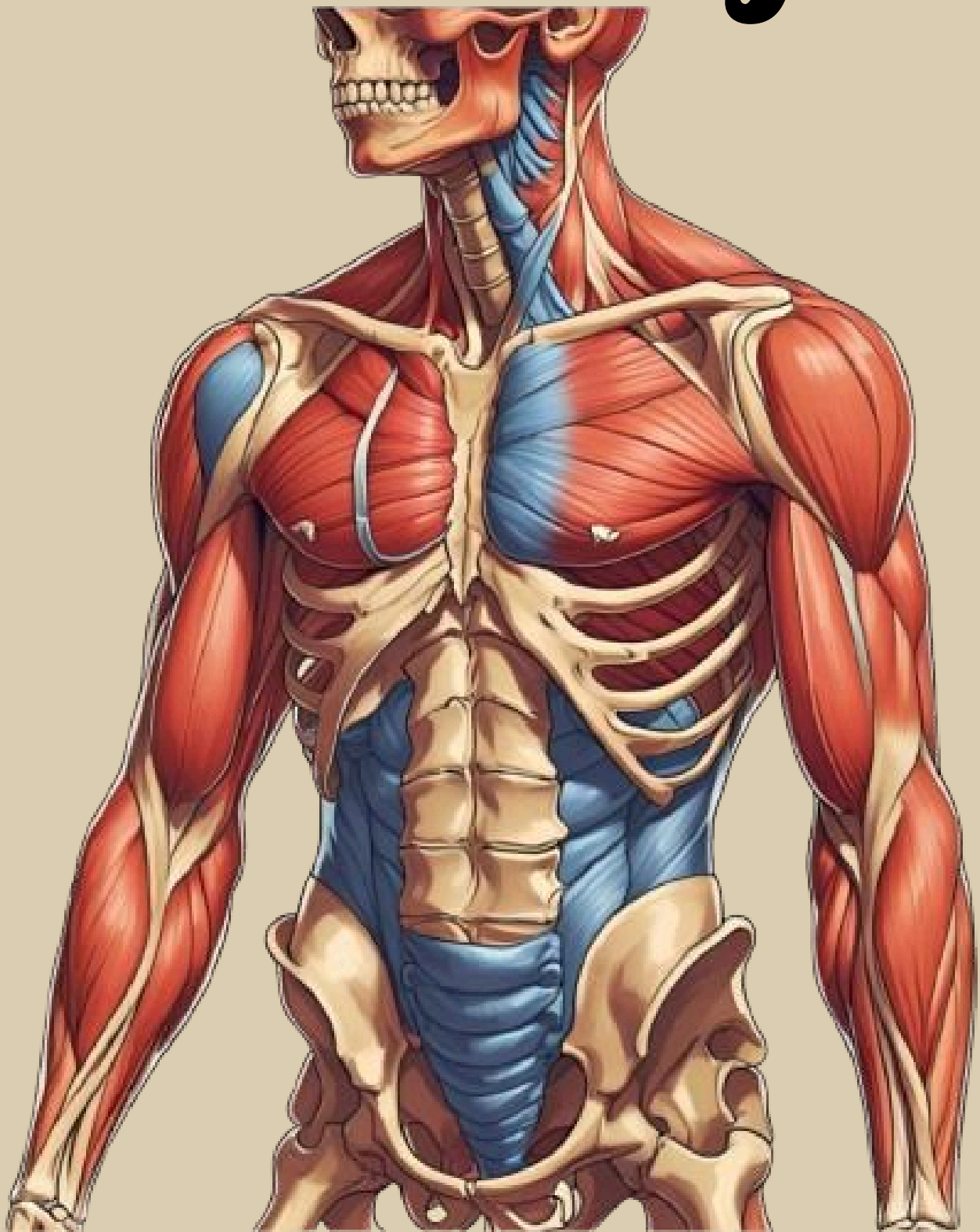
TIMES MEDICO
Question Bank
Anatomy
3rd Edition



UPPER LIMB

LAQ –

1. ***** Describe the Roots, Trunks, Divisions, Cords & Branches of **Brachial Plexus.** Add a Note on its Applied Aspects

16I, 17I, 19, AP 21

2. ***** Describe the Anatomy of **Mammary gland** under the following Headings – Extent & Situation, Structure, Deep Relations, Vascular Supply & Lymphatic Drainage. Add a Note on its Applied Aspect

AP 20, API 20, TS 21, AP 22, TSI 23

***** Describe the Formation, Course, Branches, Relations & Applied Anatomy of –

3. **Median Nerve**
4. **Radial Nerve**
5. **Ulnar Nerve** **17, 18I, TS 23**

***** Describe the Anatomy under the following Headings – Type, Articular Surfaces, Ligaments, Relations, Vascular & Nervous Supply, Anastomosis around Joints, Movements and their Muscle Movements & it's Applied Aspects

6. **Shoulder Joint** **15I, TSI 19, API 20, TSI 22, API 21, API 22, TSI 20**
7. **Elbow Joint** **AP 23**

8. *** Describe the Anatomy of **Axillary Artery** under the following Headings – Formation, Course, Termination, Branches & Relations. Add a Note on Anastomosis around Scapula

***** Mention the Arterial pulses which can be felt in the Upper Extremity. Mention the Origin, Course, Termination, Relations & Branches of –

9. **Radial Artery** **TSI 21**
10. **Brachial Artery** **TS 22**

SAQ –

1. *** Musculocutaneous Nerve
2. ***** Axillary Nerve
3. *** Axillary Lymph Nodes
4. *** Flexor Retinaculum
5. ***** Lumbricals
6. *** Proximal and Distal Radioulnar Joint
7. ***** Clavipectoral Fascia

8. ***** 1st Carpometacarpal Joint
9. ***** Cubital Fossa
10. * Palmar Aponeurosis
11. * Fascial Spaces of Hand
12. *** Median Cubital Vein
13. *** Superficial and Deep Palmar Arches

VSAQ –

1. ***** Anatomical Snuff Box
2. *** Rotator Cuff Muscles
3. ***** Carpal Tunnel Syndrome
4. * Triangle of Auscultation
5. ***** Scaphoid Fracture
6. *** Intermuscular Spaces of Arm & their Contents
7. *** Whitlow
8. ***** Supination & Pronation
9. *** Peculiarities of Clavicle
10. ***** Attachments related to Coracoid Process
11. *** Attachments of Greater Tubercle of Humerus
12. ***** Winging of Scapula
13. ***** Nerves related to Humerus
14. *** Anatomical basis of Claw Hand
15. * Forearm Space of Parona

***** Describe the Muscle under the following Headings – Origin, Insertion, Nerve Supply & Action

16. Biceps brachii
17. Coracobrachialis
18. Deltoid
19. Supinator
20. Pronator Teres
21. Brachioradialis
22. Triceps brachii

THORAX

LAQ –

1. ***** Describe the Anatomy of **Right Atrium** under the following Headings – External Features, Internal Features, Openings, Blood Supply & Applied Anatomy.

17, 18

2. ***** Describe the **Blood Supply of Heart** in detail. (Both Arterial & Venous)

19, AP 21, API 23

3. * Describe the Anatomy of a **Typical Intercostal Space** under the following Headings – Formation, Contents (in Detail) & Applied Anatomy

4. *** Describe the Anatomy of **Lungs** under the following Headings – Borders, Surfaces, Lobes & Hilum of Lung. Add a Note on Bronchopulmonary Segments

AP 22

SAQ –

1. ***** Thoraco – abdominal Diaphragm
2. *** Internal Thoracic Artery
3. ***** Azygous System of Veins
4. ***** Thoracic Duct
5. ***** Pleura and it's divisions
6. ***** Arch of Aorta
7. ***** Superior Mediastinum
8. *** Middle Mediastinum
9. ***** Posterior Mediastinum
10. ***** Coronary Sinus
11. ***** Superior Vena Cava
12. ***** Sternal Angle
13. *** Oesophagus
14. *** Pericardial Sinuses
15. * Trachea

VSAQ –

1. *** Achalasia Cardia
2. *** Pericardial Sinuses
3. *** Ligamentum Arteriosum
4. *** Pulmonary Ligament
5. *** Sibson's fascia

6. *** Thoracic Inlet Syndrome
7. ***** Mediastinal syndrome
8. *** Atypical Features of 1st Rib
9. *** Features of a Typical Rib
10. *** Diagram of Intercostal Nerve (Typical Spinal Nerve)
11. ***** Pleural Recesses
12. * SA Node
13. * Superficial Cardiac Plexus
14. *** Differentiate Right & Left Ventricle

LOWER LIMB

LAQ –

1. ***** Describe the Anatomy of **Sciatic Nerve** under the following headings – Origin, Course, Termination, Branches, Relations & Applied Anatomy. Add a Note on Deep Peroneal Nerve

15, 18I, TSI 19

2. ***** Describe the Anatomy of **Venous Drainage of Lower Limb** in detail & it's Applied Anatomy

18

3. ***** Describe the Anatomy of **Arches of Foot** under the following headings – Formation, Structure, Factors responsible for Maintenance of Arches & its Applied Anatomy

TS 19, API 21, TS 21

4. ***** Describe the Boundaries & Contents of **Popliteal Fossa.** Describe the Origin, Course, Branches, Relations & Applied Anatomy of **Popliteal Artery**

17, TS 20

5. *** Describe the Boundaries & Contents of **Femoral Triangle.** Describe the Origin, Course, Branches, Relations & Applied Anatomy of **Femoral Artery.** Add a Note on Femoral Hernia

API 20, API 23

6. ***** Describe the Anatomy of **Hip Joint** under the following Headings – Type, Articular Surfaces, Ligaments Relations, Blood Supply, Nerve Supply, Movements & Applied Anatomy

16I, 17I, 19, API 22, TSI 23, TS 22

7. ***** Describe the Anatomy of **Knee Joint** under the following Headings – Type, Articular Surfaces, Ligaments Relations, Blood Supply, Nerve Supply, Movements & Applied Anatomy

16, 18I, AP 20

8. *** Describe the Anatomy of **Gluteus Maximus** under the following Headings – Origin, Insertion, Nerve Supply, Actions, Structures under the Muscle & Applied Aspects

15I, TSI 22, TS 23

SAQ –

1. ***** Hamstring Muscles
2. ***** Femoral Sheath
3. ***** Adductor Canal
4. *** Saphenous Opening
5. ***** Ligaments of Knee Joint
6. *** Anastomosis around Knee Joint
7. *** Anastomosis in Gluteal Region & Thigh
8. *** Femoral Nerve
9. ***** Obturator Nerve
10. *** Profunda Femoris Artery
11. ***** Dorsalis Paedis Artery
12. *** Plantar Aponeurosis
13. *** Sole Muscles (1^{st} & 3^{rd} Layer are important)
14. ***** Ankle Joint

VSAQ –

1. *** Blood Supply of Head of Femur
2. *** Tendocalcaneus
3. * Adductor Magnus
4. *** Structures passing through Greater Sciatic Notch
5. ***** Iliotibial Tract
6. * Trendelenburg's Test & Perthes' Test
7. *** Spring Ligament
8. ***** Locking & Unlocking of Knee Joint
9. *** Guy's Ropes
10. *** Psoas Abscess
11. *** Inversion & Eversion of Foot
12. *** Ischial Tuberosity
13. * Popliteus
14. *** Intra Articular Structures of Knee Joint
15. * Anatomical Basis of Soleus known as Peripheral Heart
16. *** Describe the Origin, Insertion, Nerve Supply & Actions of –
    - Sartorius
    - Tensor fascia lata
    - Adductor longus
    - Popliteus

HEAD & NECK

LAQ –

1. ***** Describe the Anatomy of **Scalp** under the following Headings – Extent, Layers, Vascular and Nervous Supply & Applied Anatomy

   17, 19, TSI 23, TS 21

2. ***** Describe the Anatomy of **Parotid Gland** under the following Headings – Extent, Capsule, External Features, Structures passing through it, Relations, Vascular Supply, Nervous Supply & Applied Anatomy

   17I, AP 21, API 23

3. ***** Describe the Anatomy of **Thyroid Gland** under the following Headings – Extent, External Features, Capsule, Relations, Vascular Supply, Nervous Supply & Applied Anatomy

   16I, 18I, TSI 20, API 21, API 22, TSI 22, TS 23

4. *** Describe the Anatomy of **Cavernous Sinus** in detail with respect to their Origin & Tributaries

   15I, 16, AP 22

5. ***** Describe the Anatomy of **Palatine Tonsil** under the following Headings – Location, External Features, Structure of Tonsillar Bed, Vascular Supply, Nervous Supply & Applied Anatomy

6. ***** Describe the Anatomy of **Tongue** under the following Headings – External Structure, Muscles, Vascular Supply & Nervous Supply & Applied Anatomy

   15, TSI 19

7. *** Describe the Anatomy of **Lateral Wall of Nose** under the following Headings – Formation, External Features, Vascular Supply, Nervous Supply & Applied Anatomy

   TS 22

8. *** Describe the Anatomy of **Posterior Wall of Nose** under the following Headings – Boundaries, Roof & Floor, Divisions, Contents & Applied Anatomy

9. *** Describe the Anatomy of **Middle Ear** under the following Headings – Walls, Contents, Communications & Applied Anatomy

   TSI 21

10. *** Describe the Anatomy of **Facial Nerve** under the following Headings –

Nuclei, Formation, Course & Branches. Add a Note on Bell's Palsy.

AP 20

SAQ –

*** Describe the Boundaries & Contents of –

1. Digastric Triangle
2. Submental Triangle
3. Carotid Triangle
4. Muscular Triangle
5. Sub occipital Triangle

6. ***** Digastric Muscle
7. ***** Muscles of Mastication
8. *** Extraocular Muscles of Eye
9. ***** Maxillary Air Sinus
10. ***** Tympanic Membrane
11. *** Intrinsic Muscles of Larynx
12. *** Pterygopalatine Fossa
13. *** Constrictors of Pharynx
14. *** Soft Palate
15. ***** Hyoglossus Muscle & its Relations
16. * Ophthalmic Artery
17. *** Atlantoaxial Joints & Atlanto-occipital Joints
18. *** Facial Artery
19. * Laryngeal Cavity

VSAQ –

1. *** Cervical Rib
2. ***** Horner's Syndrome
3. *** Frey's Syndrome
4. ***** Little's Area
5. *** Killian's Dehiscence
6. * Waldeyer's Ring
7. ***** Space of Burns
8. ***** Pterion
9. * Piriform Fossa
10. *** Rima Glottidis
11. ***** Sternocleidomastoid & Nerves related to it
12. *** Platysma
13. * Orbicularis Oculi
14. * External Jugular Vein
15. *** Tributaries of IJV
16. *** Carotid Sheath

17. * Gag Reflex
18. * Pharyngeal Plexus of Nerves

*** Describe the Contents of –

19. Foramen Magnum
20. Foramen Ovale
21. Foramen Rotundum
22. Superior Orbital Fissure
23. Foramen Spinosum
24. Jugular Foramen
25. Foramen Lacerum

ABDOMEN & PELVIS

LAQ –

1. ***** Describe the Anatomy of **Inguinal Canal** under the following Headings – Boundaries, Contents, Mechanisms of Intact Canal & Applied Anatomy

API 21

2. ***** Describe the Anatomy of **Stomach** under the following Headings – Location, External Features, Internal Features, Relations, Vascular Supply, Nervous Supply, Lymphatic Drainage & Applied Anatomy

15, 17I, TSI 19

3. ***** Describe the Anatomy of **Liver** under the following Headings – Location, External Features, Internal Features, Relations, Vascular Supply, Nervous Supply, Lymphatic Drainage & Applied Anatomy

TSI 20, TSI 22

4. *** Describe the Anatomy of **Portal Vein** under the following Headings – Origin, Course, Termination, Tributaries & Portosystemic Anastomosis with it's Applied Anatomy

TS 21

5. *** Describe the Anatomy of **Pancreas** under following Headings – Location, External Features, Internal Features, Relations, Vascular Supply, Nervous Supply, Lymphatic Drainage & Applied Anatomy

16I, 18I, API 20

6. ***** Describe the Anatomy of **Kidney** under the following Headings – Location, External Features, Internal Features, Relations, Vascular Supply, Nervous Supply, Lymphatic Drainage & Applied Anatomy

7. *** Describe the Anatomy of **Urinary Bladder** under the following Headings – Location, External Features, Internal Features, Relations, Vascular Supply, Nervous Supply, Lymphatic Drainage & Applied Anatomy

TSI 23

8. ***** Describe the Anatomy of **Uterus** under the following Headings – Location, External Features, Internal Features, Relations, Vascular Supply, Nervous Supply, Lymphatic Drainage & Applied Anatomy

18I, TS 20, API 22, TS 22, TS 23

9. ***** Describe the Anatomy of **Testis** under the following Headings – Location, External Features, Internal Features, Relations, Vascular Supply, Nervous Supply, Lymphatic Drainage & Applied Anatomy

AP 21

10. ***** Describe the Anatomy of **Rectum** under the following Headings – Location, External Features, Internal Features, Relations, Vascular Supply, Nervous Supply, Lymphatic Drainage & Applied Anatomy

TS 19, AP 20

11. ***** Describe the Anatomy of **Anal Canal** under the following Headings – Location, External Features, Internal Features, Relations, Vascular Supply, Nervous Supply, Lymphatic Drainage & Applied Anatomy

15I

SAQ –

1. *** Rectus Sheath
2. ***** Inguinal Ligament
3. ***** Spermatic Cord
4. *** Differentiate between Direct & Indirect Inguinal Hernia
5. ***** Lesser Sac & Lesser Omentum
6. *** Spleen
7. ***** 2nd Part of Duodenum
8. *** Common Bile Duct
9. ***** Pelvic Diaphragm
10. ***** Trigone of Urinary Bladder
11. *** Psoas Major
12. * Inferior Mesenteric Artery
13. *** Perineal Pouches
14. *** Abdominal Aorta
15. *** Vermiform Appendix
16. ***** Ischiorectal Fossa

VSAQ –

1. *** Importance of Umbilicus
2. ***** Transpyloric Plane
3. *** Conjoint Tendon
4. *** McBurney's Point
5. ***** Hesselbach's Triangle
6. * Pampiniform Plexus of Veins
7. ***** Epiploic Foramen

8. *** Morrison's Pouch
9. *** Doughlas' Pouch
10. * Murphy's Sign & Courvoisier Law
11. *** Branches of Abdominal Aorta
12. *** Tributaries of Inferior Vena Cava
13. ***** Bare Area of Liver
14. * Marginal Artery of Drummond
15. *** Perineal Body
16. *** Relations of Stomach Bed
17. *** Calot's Triangle
18. *** Ligament of Trietz
19. *** Meckel's Diverticulum
20. *** Constrictions of Ureter
21. *** Urogenital Triangle
22. ***** Branches of Internal Iliac Arteries
23. * Marginal Artery of Drummond

NEUROANATOMY

LAQ –

1. *** Describe the Anatomy of **Cerebellum** under the following Headings – External Features, Functional & Morphological Divisions, Nuclei & Functions. Add a Note on its Histology

2. ***** Describe the Anatomy of **Fourth Ventricle** under the following Headings – Boundaries, Communications & Floor. Add a Note on its Applied Aspects

3. *** Describe the Sulci & Gyri of **Cerebral Cortex** and Describe the Functional Areas of Cerebral Cortex & add a Note on its Blood Supply

15

SAQ –

1. ***** Internal Capsule
2. ***** Corpus Callosum
3. ***** Blood Supply of Brain
4. ***** Circle of Willis

***** Describe the Transverse Section of the following in detail –

5. Mid Brain at Level of Superior Colliculus
6. Mid Brain at Level of Inferior Colliculus
7. Upper Pons
8. Lower Pons
9. Medulla at the Level of Pyramidal Decussation
10. Medulla at the Level of Olives
11. Medulla at the Level of Medial Lemniscus

12. *** Lateral Ventricle
13. *** Third Ventricle
14. *** CSF – Formation, Circulation & Functions
15. ***** Tracts of Spinal Cord
16. *** Nuclei & Functions of Hypothalamus

VSAQ –

1. ***** Insula
2. *** Fornix
3. ***** Papez Circuit
4. * Blood Brain Barrier
5. *** Functions of Limbic System
6. *** Webers' Syndrome
7. *** Spina Bifida

8. ***** Brown Sequard Syndrome
9. *** Hydrocephalus
10. *** Lumbar Puncture
11. *** Contents of Vertebral Canal
12. * Subarachnoid Cisterns
13. * Cerebellar Peduncles

HISTOLOGY

Paper – 1	Paper – 2
General – • Areolar Tissue • Adipose Tissue • Hyaline Cartilage • Elastic Cartilage • Fibrous Cartilage • TS & LS of Bone • Skeletal Muscle • Smooth Muscle • Cardiac Muscle • Muscular Artery • Elastic Artery • Lymph Node • Thick & Thin Skin **Systemic** – • Parotid Gland • Submandibular Gland • Sublingual Gland • Thymus • Palatine Tonsil • Retina • Cornea • Thyroid Gland • Cerebrum • Cerebellum • Tongue • Spinal Cord	**Systemic –** • Spleen • Lung • Stomach • Duodenum • Colon • Appendix • Pancreas • Liver • Gallbladder • Kidney • Testis • Urinary Bladder • Adrenal Gland • Ovary • Vas deferens • Uterus

GENERAL ANATOMY

SAQ –

1. ***** Classification of Bones
2. ***** Classification of Joints
3. ***** Blood Supply of Long Bones
4. *** Types of Ossification
5. *** Types of Epiphyses
6. *** Types of Cartilage
7. *** Neurons

VSAQ –

1. ***** Sesamoid Bones
2. *** End Artery
3. *** Hilton's Law
4. * Cleavage Lines
5. *** Aneurysm, Thrombosis & Embolism
6. *** Modifications of Deep Fascia
7. *** Laws of Ossification

GENETICS

SAQ –

1. ***** Karyotyping
2. ***** Down's Syndrome
3. ***** Klinefelter's Syndrome
4. ***** Turner's Syndrome
5. *** Lyon's Hypothesis
6. * Edward's Syndrome
7. * Patau's Syndrome
8. * Cri du Chat Syndrome
9. *** Classification of Chromosomes

GENERAL EMBRYOLOGY

SAQ –

1. *** Somites
2. ***** Spermatogenesis
3. ***** Oogenesis
4. *** Implantation
5. ***** Formation of Germ Layers & its Derivatives
6. ***** Formation of Notochord
7. ***** Formation of Neural Tube
8. ***** Chorionic Villi & its Functions
9. *** Neural Crest Cells & their Derivatives
10. *** Primitive Streaks
11. *** Derivatives & Components of Mesoderm

VSAQ –

1. *** Capacitation
2. *** Divisions of Decidua
3. *** Functions of Placenta
4. * Trophoblast
5. * Umbilical Cord

AETCOM

SAQ –

1. ***** "The Cadaver is our First Teacher" - Explain
2. *** Attitude & Respect while handling Cadavers & other Biological Tissues
3. ***** Explain the importance of a Body Donation Awareness Program
4. Explain the Importance of the Organ Donation Program. And add a Note on Cadaveric Care.
5. Methods of Disposal of Anatomical Waste
6. *** Roles of an Indian Medical Graduate
7. Cadaveric Oath & its Importance

SYSTEMIC EMBRYOLOGY

Head & Neck SAQ –

1. ***** Development of Tongue & associated Congenital Anomalies
2. ***** Development of Thyroid Gland & associated Congenital Anomalies
3. ***** Development of Palate & associated Congenital Anomalies
4. *** Development of Face & associated Congenital Anomalies
5. ***** Pharyngeal Arches & their Derivatives
6. *** Pharyngeal Pouches & their Derivates

Thorax SAQ –

1. ***** Development of Heart Chambers & associated Congenital Anomalies
2. ***** Development of Interatrial Septum & associated Congenital Anomalies
3. ***** Development of Interventricular Septum & associated Congenital Anomalies
4. **** Development of Diaphragm & associated Congenital Anomalies

Abdomen SAQ –

1. ***** Development of Pancreas & associated Congenital Anomalies
2. *** Development of Urinary Bladder & associated Congenital Anomalies
3. ***** Rotation of Midgut & associated Congenital Anomalies
4. ***** Development of Kidney & associated Congenital Anomalies
5. ***** Development of Testis & associated Congenital Anomalies

VSAQ –

1. ***** Tetrology of Fallot
2. *** Tracheoesophageal Fistula
3. *** Brachial Cyst
4. *** Meckel's Diverticulum
5. *** Development of Portal Vein
6. * Development of Uterus
7. * Development of Pituitary Gland
8. *** Brachial Cyst
9. *** Thyroglossal Cyst