**M.Sc. [Medical Anatomy]**

**BF/2011/11**

# General Anatomy, Neuro Anatomy, Gross Anatomy including Applied Anatomy, of the Head, Neck, Brain & Upper Limb

#  [Paper - I]

**M.M. : 100 Time : 3 Hours**

*Note : Attempt all questions. Illustrate your answers with suitable diagrams.*

*1.* ***Describe SUBMANDIBULAR GLAND under the following headings*** *:-*

(a) Gross Anatomy. [3]

(b) Relations. [3]

(c) Blood supply. [2]

(d) Nerve supply. [2]

2. **Write short notes on** :- [2*x5=10]*

 (a) Structure of a Synovial Joint.

 (b) Capillaries.

3. Describe the articulations, movements and muscles responsible for the

movements at Ist Carpo-metacarpal Joint. [10]

4. **Describe in brief** :- [2*x5=10]*

(a) Cortico-spinal tract.

 (b) Internal capsule.

5. **Write short notes on** :- [2*x5=10]*

 (a) Extracranial Course of Facial Nerve.

(b) Palatine Tonsil.

6. What are functional areas of cerebral cortex ? Draw a well labelled

diagram of functional areas of supero-lateral surface of Cerebrum.

Add a note on their applied anatomy. [10]

7. **Write in brief** :- [2*x5=10]*

(a) Rotator’s cuff.

(b) Superficial palmar arch.

8. **Describe Temporo-mandibular Joint under the following headings** :-

(a) Articulating Surfaces. [2]

(b) Movements. [3]

(c) Muscles responsible for these movements. [3]

(d) Applied Anatomy. [2]

9. **Write short notes on** :-

 (a) Lesions at the level of OPTIC CHIASMA. [4]

(b) Tennis Elbow. [3]

(c) Tongue Tie. [3]

10. **Enumerate (Name only)** :- [2x5=10]

 (a) Muscles attached to Dorsal digital expansion.

 (b) Classification of Exocrine glands.

(c) Muscles supplied by anterior interosseous nerve.

 (d) Branches of ophthalmic artery in the orbit.

 (e) Structures forming the floor of central part of Lateral Ventricle.

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# General Embryology, Gross Anatomy including

# Anatomy of Abdomen, Thorax and Lower Limb

#  [Paper - II]

**M.M. : 100 Time : 3 Hours**

*Note : Attempt all the questions and parts of a question in a serial order.*

 *Illustrate your answers with suitable diagrams and applied clinical anatomy.*

*1.* ***Enumerate only*** *:- [5x4 =20]*

(a) Structures forming stomach bed.

(b) Tributaries of the Right Atrium.

(c) Contents of Femoral Sheath.

(d) Sites of abnormal implantation of fertilized ovum.

(e) Normal constrictions of the Ureter.

2. **Draw labeled diagrams to show** :- *[5x4 =20]*

 *(a) Relations of visceral surface of spleen.*

 *(b) The patellar bursae.*

 *(c) Layers of Scrotum.*

 *(d) Histology of duodenum.*

 *(e) Mediastinal surface of the left lung.*

*3. Discuss the gross anatomy of the Thoracoabdominal diaphragm with special reference to its clinical anatomy and development. [15]*

*4.* ***Write in brief about*** *:- [3x5=15]*

 *(a) Intercostal arteries.*

 *(b) Lesser Sac.*

 *(c) Superficial peroneal Nerve.*

*5.* ***Discuss the anatomical/embryological basis of*** *:- [3x5=15]*

 *(a) Avascular necrosis of the head of Femur.*

 *(b) Polycystic Kidney.*

 *(c) Pudendal Nerve Block.*

*6.* ***Write short notes on*** *:- [3x5=15]*

 *(a) Rectouterine pouch.*

 *(b) Abductor muscles of thigh.*

 *(c) Recesses of pleura.*

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# Microscopic Anatomy and Regional (systemic) Embryology

#  [Paper - III]

**M.M. : 100 Time : 3 Hours**

*Note : Attempt all questions. Illustrate your answers with suitable diagrams.*

*1. Enumerate**and describe the components of Nervous tissue. Add a note to*

*special stains used to stain it. [20]*

2. **Draw and describe the histological structure of** : [5x3=15]

 (a) Cerebellum.

(b) Gall Bladder.

 (c) Pituitary.

3. **Describe briefly :** [7½x2=15]

 *(a) Fixation and Fixative.*

 *(b) Light Microscopy.*

*4.* ***Describe the following*** *: [5x3=15]*

 *(a) Internal Capsule.*

 *(b) Fallot’s tetralogy.*

 *(c) Annular Pancreas.*

*5. Describe prostate in detail. Age changes and development of it. [20]*

*6.* ***Describe the development and histological structure of*** *:* [7½x2=15]

 (a) Kidney.

 (b) Urinary Bladder.

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# Physical Anthropology, Medical Statistics, Medical Genetics

# and Recent Advances in Anatomy

#  [Paper - IV]

**M.M. : 100 Time : 3 Hours**

*Note : Attempt all questions.*

*1.* ***Describe in detail various*** *:*

 *(a) Cranial Indicis [10]*

 *(b) Technique of embalming and function of different ingredients used in it.*

 *[10]*

*2. Describe in detail Pilosubaceous Unit, Nail Unit and age related changes of*

*human skin. Add a note on Dermal Repair. [20]*

*3.* ***Describe in detail*** *:-*

 *(a) Carpometacarpal Joint of Thumb and its movements. [10]*

 *(b) Femoral Canal and its applied Anatomy. [10]*

*4.* ***Write Short Notes on*** *:*

 *(a) ABO Blood Group (Genetic Basis). [10]*

 *(b) Chi Square Test. [10]*

 *(c) Spermatogenesis. [10]*

 *(d) MRI Technique. [10]*

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