

**POST GRADUATE EXAMINATION, APRIL - 2019**

**MD ANATOMY  
(PAPER ONE)  
GROSS ANATOMY**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

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

**Q. 1.** Describe coronary circulation in detail. **(20)**

**Q. 2.** Describe extra-ocular muscles with their nerve supply and action. **(20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**

- a. Palmer spaces
- b. Palatine tonsil
- c. Lymphatic drainage of breast

**Q. 4. Write short notes on:** **(5 x 6 = 30)**

- a. Blood supply and applied of internal capsule
- b. Arches of foot
- c. Pelvic fascia
- d. Blood supply of stomach
- e. Extra hepatic billiary apparatus

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**MD ANATOMY  
(PAPER TWO)**

**NEURO ANATOMY & EMBRYOLOGY**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

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

**Q. 1.** Write a detailed description of the limbic system. (20)

**Q. 2.** Describe the development of the face and add a note on the anomalies. (20)

**Q. 3. Describe briefly:** (3 x 10 = 30)

- a. Tracts of spinal cord
- b. In-vitro fertilization
- c. Somites

**Q. 4. Write short notes on:** (5 x 6 = 30)

- a. Internal capsule
- b. Development of the kidney
- c. Clinical importance of the stem cell
- d. Teratogens
- e. Menstrual cycle

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**MD ANATOMY  
(PAPER THREE)**

**HISTOLOGY, GENETICS, EVOLUTION & HISTORY OF ANATOMY**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

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

**Q. 1.** Write the histological classification of glands. Describe histology of the adrenal gland in detail. (20)

**Q. 2.** Describe genetic engineering with its clinical importance. (20)

**Q. 3. Describe briefly:** (3 x 10 = 30)

- a. Comparative anatomy of respiratory system
- b. What is microtomy? Steps & precaution in the use of microtome.
- c. Evolution of man

**Q. 4. Write short notes on:** (5 x 6 = 30)

- a. H & E staining
- b. Anatomy Act
- c. Hippocratic oath
- d. FISH technique
- e. Karyotyping

**POST GRADUATE EXAMINATION, APRIL - 2019**

**MD ANATOMY  
(PAPER FOUR)**

**APPLIED ANATOMY & RECENT ADVANCES**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

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

**Q. 1.** Describe movements of knee joint. Discuss structures liable to injury within this joint. Add a note on knee transplant. (20)

**Q. 2.** Describe various surgical incisions of anterior abdominal wall. Add a note on advantages and disadvantages of each. (20)

**Q. 3. Describe briefly:** (3 x 10 = 30)  
a. Porto-caval anastomosis  
b. Cleft lip & palate  
c. Birth control

**Q. 4. Write short notes on:** (5 x 6 = 30)  
a. Brain death  
b. Functional tracto-graphy  
c. PET scan  
d. Low back pain  
e. Carpal tunnel syndrome

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