THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MD 0524] **MAY 2024** **Sub. Code: 4068**

M.D. DEGREE EXAMINATION

BRANCH XXIII – ANATOMY

PAPER IV – APPLIED HUMAN ANATOMY AND RECENT ADVANCES IN ANATOMICAL SCIENCES

Q.P. Code: 204068

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Describe the surgical anatomy of Mammary gland. Add a note on its recent advances in its investigation.

2. Describe the Clinical Anatomy of Larynx with special reference to vocal cords.

II. Write notes on: **(10 x 5 = 50)**

1. Club foot.
2. Dangerous layer of scalp.
3. Mid palmar space.
4. Inguinal Hernias.
5. Cholelithiasis.
6. Fibro scan.
7. Krukenberg's Tumor.
8. Weber's syndrome.
9. Segmentation of Kidney.
10. Applied anatomy of coronary Angiogram.

III. Reasoning out: **(4 x 5 = 20)**

State whether each of the following statement is TRUE of FALSE and reason out.

1. Congenital dislocation of hip joint is marked by gross inability to adduct the thigh.
2. Scapula has totally three ossification centres.
3. Gustatory sweating occurs in the paralysis of lingual nerve.
4. The pouch of Douglas can be approached through the posterior fornix of Vagina.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MD 1224] **DECEMBER 2024** **Sub. Code: 4068**
(OCTOBER 2024 EXAM SESSION)

M.D. DEGREE EXAMINATION

ANATOMY

PAPER IV – APPLIED HUMAN ANATOMY AND RECENT ADVANCES IN ANATOMICAL SCIENCES

Q.P. Code: 204068

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Describe the clinical anatomy of Femoral hernia.
2. Discuss the formation of placenta and its abnormalities.

II. Write notes on: **(10 x 5 = 50)**

1. Plastination.
2. Pott's fracture.
3. Saturday night palsy.
4. Cleft lip.
5. Arnold Chiari malformation.
6. Hemorrhoids.
7. Pancoast tumor.
8. Semon's law.
9. Direct inguinal hernia.
10. Liver biopsy.

III. Reasoning out: **(4 x 5 = 20)**
State whether each of the following statement is TRUE or FALSE and reason out.

1. Nystagmus is a clinical sign in cerebellar lesions.
2. Enlargement of posterior lobe of prostate causes difficulty in micturition.
3. Fracture of scaphoid bone may result in carpal tunnel syndrome.
4. Philadelphia chromosome is seen in myelodysplastic syndrome.

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THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MD 0525] **MAY 2025** **Sub. Code: 4068**

M.D. DEGREE EXAMINATION

ANATOMY

PAPER IV – APPLIED HUMAN ANATOMY AND RECENT ADVANCES IN ANATOMICAL SCIENCES

Q.P. Code: 204068

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Describe in detail about the surgical anatomy of thyroid gland.
2. Write an essay about porto – caval anastomosis and its importance.

II. Write notes on: **(10 x 5 = 50)**

1. Painful arc syndrome.
2. Hysterosalpingography.
3. Extra dural haematoma.
4. MRI scan.
5. Medial longitudinal arch of the foot.
6. Pericardiocentesis.
7. Flexor retinaculum of upper limb.
8. Peritonsillar abscess.
9. Meckle's Diverticulum.
10. Invitro fertilization.

III. Reasoning out: **(4 x 5 = 20)**

State whether each of the following statement is TRUE or FALSE and reason out.

1. Cisternal puncture is done through sub occipital region.
2. Lower end of tibia violates the law of ossification.
3. The internal vertebral venous plexus has valves.
4. In Colle's fracture tips of the styloid process of ulna and radius are at different level.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MD 1025] **OCTOBER 2025** **Sub. Code: 4068**

M.D. DEGREE EXAMINATION

ANATOMY

PAPER IV – APPLIED HUMAN ANATOMY AND RECENT ADVANCES IN ANATOMICAL SCIENCES

Q.P. Code: 204068

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Surgical anatomy of Liver. Add a note on Liver Transplant.
2. Surgical anatomy of Parotid gland.

II. Write notes on: **(10 x 5 = 50)**

1. Pleural recess.
2. Arthroscopy.
3. Carotid angiography.
4. Block dissection of neck.
5. PET scan.
6. Age changes of mandible.
7. Prolapse of uterus.
8. Tennis elbow.
9. Hashimoto's thyroiditis.
10. Renal biopsy.

III. Reasoning out: **(4 x 5 = 20)**

State whether each of the following statement is TRUE or FALSE and reason out.

1. Supraspinatus muscle is one of the rotator cuff muscles but it does not do any rotation in shoulder.
2. Epistaxis is due to increased fasting blood sugar level.
3. Chorda tympani nerve carries taste sensation from anterior one third of the tongue.
4. Sensory innervation of medial aspect of leg and foot is by saphenous nerve.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MD 0526] **MAY 2026** **Sub. Code: 4068**

M.D. DEGREE EXAMINATION

ANATOMY

PAPER IV – APPLIED HUMAN ANATOMY AND RECENT ADVANCES IN ANATOMICAL SCIENCES

Q.P. Code: 204068

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Describe the anterior abdominal wall with its surgical implications.
2. Describe the anatomy of gait cycle and add a note on gait disorders.

II. Write notes on: **(10 x 5 = 50)**

1. Thiel embalming.
2. Ape thumb deformity.
3. Medial meniscus.
4. Volvulus.
5. Patent ductus arteriosus.
6. Cisternal puncture.
7. Pericardiocentesis.
8. Dangerous area of face.
9. Varicocele.
10. Dermatoglyphics.

III. Reasoning out: **(4 x 5 = 20)**

State whether each of the following statement is TRUE or FALSE and reason out.

1. Krukenberg tumors are primary carcinoma of ovary.
2. In splenomegaly, spleen enlarges vertically.
3. Foreign body in piriform fossa causes asphyxia.
4. Occlusion of middle cerebral artery will result in contralateral hemiplegia.

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