

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

[MBBS 0825]

AUGUST 2025

Sub. Code: 7052

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2024 -2025)

FIRST PROFESSIONAL – (CBME)

PAPER II – ANATOMY

Q.P. Code: 527052

Time: Three hours

Maximum : 100 Marks (80 Theory + 20 MCQs)

Answer all the Questions
Add appropriate diagrams wherever necessary

I. Essay: (1 x 10 = 10)

1. A 67 year old male, known case of uncontrolled hypertension and diabetes was brought to the hospital with complaints of sudden onset of slurred speech and inability to move the right side of the body and limbs. Clinical examination revealed increased muscle tone and tendon reflexes and positive Babinski sign on the affected side. MRI showed a vascular lesion on white matter of left cerebral hemisphere. He was diagnosed with internal capsule lesion.
 - a) Describe the parts and relations of internal capsule, arrangement of fibres and arterial supply of internal capsule. (2+3+3)
 - b) Explain the anatomical basis of the clinical features in this condition. (2)

II. Reasoning out short notes: (2 x 5 = 10)

1. Genioglossus is the safety muscle of tongue – Reason out.
2. Black eye occurs in injury to scalp – Reason out.

III. Write Short notes on: (10 x 6 = 60)

1. Pharyngeal arches.
2. Principles of communication.
3. Interior of larynx.
4. Histology of tongue.
5. Phrenic nerve.
6. Describe the cut section of medulla at Pyramidal level.
7. Oesophagus and its applied anatomy.
8. Palatine tonsil and its clinical importance.
9. Thoracic duct and its applied aspects.
10. Blood supply of thyroid gland and its surgical importance.

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

[MBBS 1025]

OCTOBER 2025

Sub. Code: 7052

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2024 -2025)

FIRST PROFESSIONAL – SUPPLEMENTARY - (CBME)
PAPER II –ANATOMY

Q.P. Code: 527052

Time: Three hours

Maximum : 100 Marks (80 Theory + 20 MCQs)

Answer all the Questions
Add appropriate diagrams wherever necessary

I. Essay: **(1 x 10 = 10)**

1. A 8-year-old boy complained of swelling and pain in the left cheek with elevation of left ear lobe and complaints of difficulty in opening the mouth. He was diagnosed to have MUMPS. Describe in detail about
 - a) External features and structures present within Parotid gland. (5)
 - b) Nerve supply of Parotid gland. (3)
 - c) Applied aspects. (2)

II. Reasoning out short notes: **(2 x 5 = 10)**

1. In surgical resection, thyroid gland is removed with its true capsule – Reason out.
2. In myocardial infarction, pain is felt in the retrosternal region and commonly radiates along the inner side of left arm – Reason out.

III. Write Short notes on: **(10 x 6 = 60)**

1. Microstructure of lung.
2. Derivatives of second pharyngeal arch.
3. Pleural recesses and its applied aspects.
4. Ciliary ganglion.
5. Principles of communication.
6. Pedigree symbols.
7. Fourth ventricle.
8. Internal capsule fibres and blood supply.
9. Anatomical basis of Black eye.
10. Lateral wall of nose and anatomical basis of epistaxis.
