

[MBBS 0221]

FEBRUARY 2021

Sub.Code :6052

**M.B.B.S. DEGREE EXAMINATION  
FIRST YEAR  
PAPER II – HUMAN ANATOMY**

*Q.P. Code: 526052*

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQS)**

**Answer All Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe in detail about blood supply of Heart and its clinical anatomy.
2. Discuss the Pharynx under the following headings: Extent, Parts, Features, Blood Supply, Muscles forming it and its clinical anatomy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Floor of Fourth Ventricle.
2. External Jugular Vein.
3. Secretomotor Innervation of Parotid Gland.
4. Cartilages of Larynx.
5. Superior Mediastinum.
6. Development of Face.
7. Histology of Thymus.
8. Pleura.
9. Falx Cerebri.
10. Circle of Willis.

**M.B.B.S. DEGREE EXAMINATION  
FIRST YEAR  
PAPER II – HUMAN ANATOMY**

*Q.P. Code: 526052*

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQS)**

**Answer All Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe Pharynx under the following headings
  - A) Extent and Subdivisions.
  - B) Pharyngeal Muscles.
  - C) Applied Anatomy.
  
2. A 55-year-old man was brought to hospital with complaints of severe pain in retrosternal area radiating to the medial side of left arm. His body was profusely sweating and he was found to be restless. Pulse was irregular and heart beat was rapid. ECG shows some changes
  - A) What will be the probable diagnosis?
  - B) Write in detail about blood supply of heart.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Lateral wall of Nasal Cavity.
2. Karyotyping.
3. Derivatives of Endodermal Pouches.
4. Microscopic Anatomy of Trachea.
5. Sulci and Gyri in the medial surface of Brain.
6. Posterior triangle of Neck.
7. Temporo – Mandibular Joint.
8. Medial surface of left Lung.
9. Spinal Meninges and its modifications.
10. Thoracic part of Oesophagus.

**M.B.B.S. DEGREE EXAMINATION**  
**(For the candidates admitted from the Academic Year 2019-2020)**  
**FIRST YEAR**  
**PAPER II - HUMAN ANATOMY**

*Q.P. Code: 526052*

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQS)**

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Define boundaries and contents of posterior mediastinum. Describe the formation, course & relations, termination and tributaries of Azygos vein.
2. Explain the situation, extent, parts, relations, capsules, blood supply, lymphatic drainage and clinical anatomy of thyroid gland.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Extra cranial part of facial nerve.
2. Histology of Lung.
3. Maxillary artery.
4. Derivatives of third pharyngeal arch.
5. Nuclei and connections of thalamus.
6. External jugular vein.
7. Internal structure of midbrain at the level of superior colliculus.
8. Circulation of CSF and anatomical basis of hydrocephalus.
9. Attachments, extent, nerve supply and actions of intercostal muscles.
10. Turner's syndrome.

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

[MBBS 0522]

**MAY 2022**

**Sub. Code :6052**

**M.B.B.S. DEGREE EXAMINATION**

**(For the candidates admitted from the Academic Year 2019-2020)**

**FIRST YEAR – SUPPLEMENTARY (CBME)**

**PAPER II - HUMAN ANATOMY**

*Q.P. Code: 526052*

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQs)**

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe the Cerebellum under the following headings:  
Parts, External features, Subdivisions, Cerebellar nuclei, Arterial supply and Clinical anatomy.
2. Define Boundaries and Contents of the Orbit. Discuss in detail about the Extraocular muscles .

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Transverse section of Medulla at the motor decussation level.
2. Origin, course and branches of internal thoracic artery.
3. Cavity of Larynx.
4. Digastric triangle.
5. Development of Lung.
6. Lateral ventricle.
7. Barr body.
8. Histology of Tongue.
9. Cardiac plexuses.
10. Superior vena cava.

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

**[MBBS 0123]**

**JANUARY 2023**

**Sub. Code : 6052**

**M.B.B.S. DEGREE EXAMINATION**

**(For the candidates admitted from the Academic Year 2019-2020)**

**FIRST YEAR – (CBME)**

**PAPER II – HUMAN ANATOMY**

***Q.P. Code: 526052***

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQs)**

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe the sulci and gyri, functional areas on the superolateral surface of the cerebrum, with its arterial supply and applied anatomy.
2. Describe the boundaries, contents and applied anatomy of carotid triangle in detail.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Mediastinal surface of left lung.
2. Corpus callosum.
3. Pharyngeal pouches.
4. Lacrimal apparatus.
5. Superior orbital fissure.
6. Right atrium.
7. Histology of trachea.
8. Cavernous sinus thrombosis.
9. Left phrenic nerve.
10. Muscles of mastication.

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

**[MBBS 0323]**

**MARCH 2023**

**Sub. Code : 6052**

**M.B.B.S. DEGREE EXAMINATION  
(For the candidates admitted from the Academic Year 2019-2020)**

**FIRST YEAR – SUPPLEMENTARY (CBME)**

**PAPER II – HUMAN ANATOMY**

*Q.P. Code: 526052*

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQs)**

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe pleura under the following headings:
  - a) Features
  - b) Relations
  - c) Surface marking
  - d) Clinical anatomy.
  
2. Write in detail about Scalp and add a note on clinical anatomy.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Typical intercostal nerve.
2. Meckel's cartilage.
3. Cavernous sinus.
4. Histology of Thyroid gland.
5. Buccinator.
6. Lingual artery.
7. Carotid sheath.
8. Cerebellar nuclei.
9. Nasal septum.
10. Interpeduncular fossa.

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

[MBBS 1123]

NOVEMBER 2023

Sub. Code : 6052

**M.B.B.S. DEGREE EXAMINATION**

(For the candidates admitted from the Academic Year 2019-2020)

**FIRST YEAR – (CBME)**

**PAPER II – HUMAN ANATOMY**

*Q.P. Code: 526052*

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQs)**

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. A 58 years old male presented to emergency OPD with sudden excruciating headache, Vomiting and Pulsating Exophthalmos CT scan Brain revealed thrombosis in the area of cavernous sinus. Classify and list the dural venous sinuses. Describe the cavernous sinus under the headings of Relations, tributaries and communications. Add a note on its applied aspect.
2. A 48 years old female presented to OPD with complaints of difficulty in breathing on exertion, palpitation, weakness and easy fatigability. On Auscultation Heart murmurs were heard. Echocardiogram revealed Atrial septal defect with left to right shunt. Write a note on Embryological basis of atrial septal defect. Describe external and internal features of Right atrium of Heart.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Sulci and gyri of Superolateral surface of cerebral hemisphere.
2. Microanatomy of Tonsil.
3. Boundaries of middle ear.
4. Mandibular nerve.
5. Diaphragm triangle.
6. Extraocular muscles – Actions and Nerve supply.
7. Facial artery.
8. Thoracic duct.
9. Lateral wall of Nose.
10. Azygos vein.

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

**[MBBS 0124]**

**JANUARY 2024**

**Sub. Code : 6052**

**M.B.B.S. DEGREE EXAMINATION**

**(For the candidates admitted from the Academic Year 2019-2020)**

**FIRST YEAR – SUPPLEMENTARY (CBME)**

**PAPER II – HUMAN ANATOMY**

*Q.P. Code: 526052*

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQs)**

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. A 55 year old man with history of smoking, Hypertension is brought to Emergency OPD with complaints of severe retrosternal chest pain radiating to left arm and jaw. He also had nausea, vomiting, profuse sweating and shortness of breath. ECG showed ST segment elevation and diagnosed to have Ischaemic Heart disease. Write a note on anatomical basis of Ischaemic heart disease. Describe origin, course and branches of coronary arteries.
2. A previously healthy 24 year old female presented with severe pain and acute facial swelling associated with fever. She was diagnosed to have viral infection of Parotid gland. Describe the external features, contents, relations, nerve supply and duct of parotid gland. What is the anatomical basis behind severe pain in parotid swelling?

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Posterior Mediastinum.
2. Bronchopulmonary segment of Right Lung.
3. Development of Inter atrial septum.
4. Pericardial sinuses.
5. Internal Jugular vein.
6. Interpeduncular fossa.
7. CSF (cerebrochinal fluid).
8. Draw and label transverse section of spinal cord at T<sub>4</sub> level.
9. Paranasal air sinuses.
10. Innervation of Tongue.

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

[MBBS 0824]

**AUGUST 2024**

**Sub. Code : 6052**

**M.B.B.S. DEGREE EXAMINATION**

**(For the candidates admitted from the Academic Year 2020 -2021 Onwards)**

**FIRST YEAR – (CBME)**

**PAPER II – HUMAN ANATOMY**

*Q.P. Code: 526052*

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQs)**

**Answer all the Questions**

**Add appropriate diagrams wherever necessary**

**I. Essay:**

**(2 x 15 = 30)**

1. A 48-year-old female presented with history of pain and ulcerative lesion in tongue and diagnosed to have carcinoma tongue. Describe the parts, muscles, innervation, lymphatic drainage, histology of the Tongue.
2. A 58-year-old male patient presented with severe pain localized to left thoracic region following shingles involving left T6 dermatome. Define boundaries and contents of the intercostal space. Discuss in detail about the typical intercostal nerve.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Arterial supply of cerebrum and its clinical anatomy.
2. Development of interventricular septum of heart.
3. Carotid triangle.
4. Third ventricle.
5. Karyotyping.
6. Ciliary ganglion.
7. Inferior cerebellar peduncle.
8. Masseter.
9. Components and connections of corpus striatum.
10. Thoracic duct.

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

[MBBS 0924]

**SEPTEMBER 2024**

**Sub. Code : 6052**

**M.B.B.S. DEGREE EXAMINATION**

**(For the candidates admitted from the Academic Year 2020 -2021 Onwards)**

**FIRST PROFESSIONAL – (CBME) - SUPPLEMENTARY**

**PAPER II – HUMAN ANATOMY**

***Q.P. Code: 526052***

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20MCQs)**

**Answer all the Questions**

**Add appropriate diagrams wherever necessary**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe Parotid Salivary Gland under the following headings:
  - a) Features and relations
  - b) Secretomotor pathway
  - c) Applied anatomy.
  
2. 50-year-old man with history of chronic smoking consulted the doctor because he had complaints of weight loss, persistent cough and blood in the sputum. Chest X-ray PA view showed a lesion in the apex of right lung. He was diagnosed as carcinoma of Right Lung. Write in detail Right Lung Anatomy under the following headings:
  - a) Coverings
  - b) Surfaces and borders
  - c) Relations
  - d) Bronchopulmonary segments
  - e) Blood supply and Nerve supply

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Carotid Triangle - boundaries and content
2. Thoracic duct.
3. Microscopic Anatomy of Tonsil.
4. Corpus callosum.
5. Fibrous pericardium.
6. Facial artery.
7. Development of thyroid gland.
8. Inferior cerebellar peduncle.
9. Cavernous sinus.
10. Coronary sinus.

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

**[MBBS 0825]**

**AUGUST 2025**

**Sub. Code: 6052**

**M.B.B.S. DEGREE EXAMINATION**

**(For the candidates admitted from the Academic Year 2021 – 2022 to 2023 – 2024)**

**FIRST PROFESSIONAL – (CBME)**

**PAPER II – HUMAN ANATOMY**

***Q.P. Code: 526052***

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20 MCQs)**

**Answer all the Questions**

**Add appropriate diagrams**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe Tongue under the following headings:  
a) External features    b) Muscles    c) Innervation    d) Clinical anatomy.
2. Write in detail about Intercostal spaces and add a note on clinical anatomy.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Platysma.
2. Genetic counseling.
3. Ciliary ganglion.
4. Interior of right ventricle.
5. Histology of pituitary gland.
6. Auriculotemporal nerve.
7. Lateral pterygoid.
8. Development of Face.
9. Broca's area.
10. Nasal septum.

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

**[MBBS 1025]**

**OCTOBER 2025**

**Sub. Code: 6052**

**M.B.B.S. DEGREE EXAMINATION**

**(For the candidates admitted from the Academic Year 2021 – 2022 to 2023 – 2024)**

**FIRST PROFESSIONAL – SUPPLEMENTARY (CBME)**

**PAPER II – HUMAN ANATOMY**

***Q.P. Code: 526052***

**Time: Three hours**

**Maximum : 100 Marks (80 Theory + 20 MCQs)**

**Answer all the Questions  
Add appropriate diagrams**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe the Right Lung in detail under the following headings:

- |                     |                               |                       |
|---------------------|-------------------------------|-----------------------|
| a) Parts            | b) Relations                  | c) Lobes and fissures |
| d) Microstructure   | e) Broncho-pulmonary segments |                       |
| f) Applied anatomy. |                               |                       |

2. Classify the White fibers of cerebrum with examples. Describe the internal capsule in detail with its applied anatomy.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Tympanic membrane.
2. Coronary arteries.
3. Otic ganglion.
4. Internal features of pons at facial colliculus level.
5. Carotid triangle of neck.
6. Development of interatrial septum.
7. Epistaxis.
8. Temporomandibular joint.
9. Microstructure of pituitary gland.
10. Sensory innervation of face.

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