

**M.B.B.S. DEGREE EXAMINATION  
FIRST YEAR  
PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**Time: Three hours**

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

**Answer All Questions**

**I. Essay:** (2 x 15 = 30)

1. Describe Mammary gland under the following headings. Extent, Relations, Blood Supply, Lymphatic Drainage & Clinical Anatomy.
2. Discuss the Uterus under the following headings. Position, Parts, External Features, Relations, Blood Supply, Lymphatic Drainage & Clinical Anatomy.

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

1. Structures under cover of Gluteus Maximus.
2. Great Saphenous Vein.
3. Femoral Triangle.
4. Adductor Magnus.
5. Ligaments of Knee Joint.
6. Rectus Sheath.
7. Erbs Point.
8. Rotator Cuff Muscles.
9. Microstructure of Oesophagus.
10. Development of Pancreas.

**M.B.B.S. DEGREE EXAMINATION  
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**Maximum : 100 Marks (80 Theory + 20MCQs)**

**Answer All Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe Pancreas under the following headings.
  - a) Parts and relations.
  - b) Blood supply.
  - c) Development.
2. Explain the formation of Lumbar Plexus. Add a brief note on Sciatic Nerve.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Microscopic anatomy of compact bone.
2. Cubital fossa.
3. Trigone of Bladder.
4. Axillary Nerve.
5. Coeliac Trunk.
6. Spermatic Cord.
7. Pelvic Diaphragm.
8. Anastomosis around knee joint.
9. Intrinsic muscles of hand.
10. Structures in lateral compartment of leg.

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

**FIRST YEAR**  
**PAPER I - HUMAN ANATOMY**

*Q.P. Code: 526051*

**Time: Three hours**

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

**Answer all the Questions**

**I. Essay:** (2 x 15 = 30)

1. Describe the Formation, Parts, Relations, Branches and Tributaries of Portal Vein. Enumerate the sites of portosystemic anastomosis and Clinical Anatomy.
2. Discuss the type, articular surfaces, capsule, ligaments, bursae, relations, movements and muscles involved & Clinical Anatomy of Hip Joint.

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

1. Popliteal artery.
2. Cephalic vein.
3. Tibialis anterior.
4. Interior of Anal canal.
5. Development and descent of Testis.
6. Common bile duct.
7. Histology of elastic cartilage.
8. Axillary group of lymph nodes.
9. Ulnar nerve in hand.
10. Cubital anastomosis.

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

**[MBBS 0522]**

**MAY 2022**

**Sub. Code : 6051**

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

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

**FIRST YEAR – SUPPLEMENTARY (CBME)**

**PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**Time: Three hours**

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

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe the duodenum under the following headings:  
Parts, Relations, Internal features of second part, Blood supply, Histology and Clinical Anatomy.
2. Discuss the Origin, Root value, Course and Relations, Termination, Branches and Distribution and Clinical Anatomy of Ulnar nerve.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Quadriceps femoris.
2. Profunda brachii artery.
3. Lymphatic drainage and nerve supply of stomach.
4. Cutaneous innervation of dorsum of foot.
5. Development of kidney.
6. Cartilaginous joints.
7. Ischioanal fossa.
8. Gluteus medius and anatomical basis of Trendelenburg's sign.
9. Elbow joint.
10. Common peroneal nerve.

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

**[MBBS 0123]**

**JANUARY 2023**

**Sub. Code: 6051**

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

**FIRST YEAR – (CBME)**

**PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**Time: Three hours**

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

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe the boundaries and contents of Axilla. Write the origin, course, relations, termination and branches of the axillary artery in detail.
2. Describe the uterus in detail under the following headings:
  - a) Position and parts
  - b) Peritoneal and visceral relations
  - c) Supports
  - d) Microstructure
  - e) Development
  - f) Clinical Anatomy.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Obturator nerve.
2. Fascial spaces of hand.
3. Right supra-renal gland.
4. Hamstring muscles.
5. Neurulation.
6. Inguinal canal.
7. Histology of liver.
8. Femoral triangle.
9. Intra-capsular ligaments of knee joint.
10. Erb's palsy.

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

**[MBBS 0323]**

**MARCH 2023**

**Sub. Code: 6051**

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

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

**FIRST YEAR – SUPPLEMENTARY (CBME)**

**PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**Time: Three hours**

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

**Answer all the Questions**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe the origin, course and relations, branches and distribution of median nerve. Add a note on the effect of injury of median nerve at the elbow.
2. Describe the urinary bladder under the following headings:
  - a) Parts and relations
  - b) Ligaments of the bladder
  - c) Interior of the bladder
  - d) Microstructure
  - e) Development
  - f) Applied Anatomy.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Superior mesenteric artery.
2. Cutaneous innervation of palm of the hand.
3. Gluteus maximus.
4. Midgut rotation with related anomalies.
5. Lymphatic drainage and blood supply of mammary gland.
6. Great saphenous vein.
7. Histology of testis.
8. Arches of foot.
9. Vermiform appendix.
10. Femoral hernia.

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

**[MBBS 1123]**

**NOVEMBER 2023**

**Sub. Code: 6051**

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

**FIRST YEAR – (CBME)**

**PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**Time: Three hours**

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

**Answer all the Questions**

**I. Essay: (2 x 15 = 30)**

1. A 45 year old male presented to OPD with inability to extend his left wrist since one day. On eliciting he gave history of sleeping with left arm hanging on armrest of a chair for few hours. He was diagnosed to have Saturday night palsy. Write the anatomical basis behind Saturday Night palsy. Describe root value, course, relations and branches of the structure involved. Add a note on its applied aspects.
2. A 40 year old alcoholic male patient complained of blood vomiting and passage of blood in stools. He was diagnosed to have Portal Hypertension. Describe formation, relations of portal vein and sites of Portosystemic anastomosis. Write the anatomical basis of Haemorrhoids and Haematemesis in Portal hypertension.

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

1. Amnion and Amniocentesis.
2. Micro anatomy of skeletal muscle.
3. Lymphatic drainage of Lower Limb.
4. Rotator cuff Muscles.
5. Flexor Retinaculum and Anatomical basis of carpal tunnel syndrome.
6. Adductor Canal.
7. Anatomical basis of Trendelenbergs sign.
8. Descent of Testis.
9. Cadaver ethics.
10. Spleen.

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

**[MBBS 0124]**

**JANUARY 2024**

**Sub. Code: 6051**

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

**FIRST YEAR – SUPPLEMENTARY (CBME)**

**PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**Time: Three hours**

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

**Answer all the Questions**

**I. Essay: (2 x 15 = 30)**

1. A 74 year old female presented to OPD with complaints of progressive right hip pain for past 2 years. On examination tenderness was elicited over anterior joint line on right hip. Range of motion was full with painful extension and abduction. Imaging study revealed right hip osteoarthritic degeneration. Describe type and articular surfaces, ligaments, relations, movements, muscles involved and nerve supply of Hip Joint.
2. A young executive man came to OPD with complaints of pain in epigastric region. On eliciting he gave history of stress and preference to eat spicy dishes. He was diagnosed to have Gastric ulcer. Describe the position, features, relations, blood supply and lymphatic drainage of Stomach. What is the Anatomical basis of pain in epigastric region?

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

1. Twinning.
2. Cadaver ethics.
3. Axillary lymph nodes and their areas of drainage.
4. Rectus sheath and its contents.
5. Anatomical basis of Wrist drop.
6. Extrahepatic Biliary apparatus.
7. Supination and Pronation.
8. Anatomical basis of varicose veins.
9. Ischiorectal fossa.
10. Microanatomy of Pancreas.

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

**[MBBS 0824]**

**AUGUST 2024**

**Sub. Code: 6051**

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

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

**FIRST YEAR – (CBME)**

**PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**Time: Three hours**

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

**Answer all the Questions**

**Add appropriate diagrams wherever necessary**

**I. Essay: (2 x 15 = 30)**

**(2+4+4+3+2)**

1. A 60-year-old man complained about difficulties in starting urination. He also had sense of incomplete emptying of bladder.

- a) Name the organ involved in this patient
- b) Mention its external features
- c) Give its relations
- d) Blood supply
- e) Applied anatomy.

**(2+4+4+3+2)**

2. Describe knee joint under following headings:

- a) Bones forming
- b) Ligaments
- c) Bursae
- d) Blood and Nerve supply
- e) Applied aspects.

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

1. Draw and describe the structure of Sperm.
2. Microscopic anatomy of Lymph node.
3. Radio-ulnar joints.
4. Flexor Retinaculum of Wrist.
5. Tendocalcaneus.
6. Bare area of Liver.
7. Cadaver ethics.
8. Major openings of Diaphragm
9. Coverings of the kidney.
10. Internal Pudendal artery.

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

**[MBBS 0924]**

**SEPTEMBER 2024**

**Sub. Code: 6051**

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

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

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

**PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**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. Discuss Kidney under the following headings:
  - a) Coverings
  - b) Features
  - c) Relations
  - d) Blood supply
  - e) Clinical anatomy.
2. 60-year-old female complaining of sleeping foot on standing on the ground for prolonged hours and diagnosed as compression of sciatic nerve. Describe in detail about Sciatic nerve under the following headings:
  - a) Formation and root value
  - b) Course and relations
  - c) Branches and termination
  - d) Clinical anatomy.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Extra hepatic biliary apparatus.
2. Histology of appendix.
3. Oogenesis.
4. Internal iliac artery.
5. Second layer of sole.
6. Quadrangular space.
7. Clavipectoral fascia.
8. Peripheral heart.
9. Root of mesentery.
10. Cadaver as first teacher.

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

**[MBBS 0825]**

**AUGUST 2025**

**Sub. Code: 6051**

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

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

**FIRST PROFESSIONAL – (CBME)**

**PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**Time: Three hours**

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

**Answer all the Questions**

**Add appropriate diagrams wherever necessary**

**I. Essay:**

**(2 x 15 = 30)**

1. A 60-year-old lady came to hospital with C/o mass descending per vagina. She also complaints of frequent Micturition.
  - a) What will be probable diagnosis?
  - b) Write in detail about the viscera affected with its support?
2. Discuss in detail about the Liver under the following headings:
  - a) External features      b) Relations      c) Ligaments
  - d) Blood supply      e) Applied Anatomy.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Relations of Left kidney.
2. Supination and Pronation.
3. Microscopic anatomy of testis.
4. Anal canal.
5. Carrying angle.
6. Femoral triangle.
7. Formation of Rectus sheath.
8. Claw hand.
9. Cadaver ethics.
10. Posterior tibial artery.

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

**[MBBS 1025]**

**OCTOBER 2025**

**Sub. Code: 6051**

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

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

**FIRST PROFESSIONAL – SUPPLEMENTARY (CBME)**

**PAPER I - HUMAN ANATOMY**

***Q.P. Code: 526051***

**Time: Three hours**

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

**Answer all the Questions**

**Add appropriate diagrams wherever necessary**

**I. Essay:**

**(2 x 15 = 30)**

1. A 65-year-old woman presented to OPD with Right shoulder pain after falling down. Physical examination revealed right sided deformity with prominent acromion, empty Glenoid fossa and her right arm was held in external rotation and abduction. What would be the probable diagnosis? Describe type, articular surfaces, ligaments, relations, movements, muscles involved and nerve supply of shoulder joint.
2. A 7-day old male infant was brought by parents to Emergency OPD with complaints of Respiratory distress. Chest X-ray revealed left sided congenital diaphragmatic Hernia. Describe the attachments, openings, nerve supply and action of Thoracoabdominal diaphragm. Add a note on embryological basis of congenital diaphragmatic hernia.

**II. Write Short notes on:**

**(10 x 5 = 50)**

1. Development of Pancreas.
2. Cadaver ethics.
3. Microanatomy of Hyaline cartilage.
4. Anatomical basis of claw hand.
5. Cubital fossa.
6. Axillary artery.
7. Sites of Portosystemic anastomosis.
8. Perineal pouch.
9. Kidney – relations and blood supply.
10. Ureter.

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