

**BPT DEGREE EXAMINATION**

**FIRST YEAR**

**(Regulations for the candidates admitted from 2017-2018 onwards)**

**PAPER II – ANATOMY**

*Q.P. Code: 746273*

**Time: Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Classify the muscular compartments of leg with the muscles present in them. Discuss the attachments, nerve supply and action of the muscles present in the anterior and lateral compartments with applied aspects.
2. Describe the ulnar nerve under the following headings:
  - a) Origin and root value
  - b) Course and relations
  - c) Distribution
  - d) Applied anatomy.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Hinge joint.
2. Deltoid.
3. First carpometacarpal joint.
4. Temporalis.
5. Movements of respiration.
6. Boundaries and applied anatomy of Inguinal canal.
7. External carotid artery.
8. Internal capsule – parts, contents and applied anatomy.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Write the boundaries and contents of quadrangular space.
2. Name the structures passing deep to carpal tunnel.
3. What is Erb's point? Name the nerves related to it.
4. Name the muscles forming quadriceps femoris.
5. Write the parts of extra hepatic biliary apparatus.
6. Name the branches of abdominal aorta.
7. Name any four extra ocular muscles of eye ball.
8. Name the bones forming the base of the skull.
9. Name the parts of pituitary gland and any two hormones secreted by it.
10. Write the sulci and gyri present in the frontal lobe of cerebrum.

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**FIRST YEAR**

**(Regulations for the candidates admitted from 2017-2018 onwards)**

**PAPER II – ANATOMY**

*Q.P. Code: 746273*

**Time: Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Name the muscles attached to the scapula. Write briefly the attachments, nerve supply and action of those scapular muscles which insert in to the humerus. Add a note on the clinical anatomy related to these muscles.
2. Describe the arches of Foot under the following headings:
  - a) Classification
  - b) Formation
  - c) Supports
  - d) Functions
  - e) Applied anatomy

**II. Write notes on:**

**(10 x 5 = 50)**

1. Fibrous joint.
2. Anterior interosseous nerve.
3. Medial rotators of hip joint.
4. Sternocleidomastoid.
5. Arterial supply to heart.
6. Diaphragm.
7. Parts and blood supply of stomach.
8. Supports of uterus.
9. Flexors of elbow joint.
10. Axilla.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Name the muscles of thenar eminence.
2. Which artery supplies upper limb? Write its branches.
3. Name the muscles supplied by obturator nerve.
4. Name the parts of the large intestine.
5. Name the boundaries of carotid triangle.
6. What is a bronchopulmonary segment?
7. Name the cranial nerves arising from the medulla oblongata.
8. Name the parts of the meninges.
9. Name any four muscles of facial expression.
10. Name the bones present in the middle ear cavity.

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

[LP 6273]

AUGUST 2019

Sub. Code : 6273

**BPT DEGREE EXAMINATION**

**FIRST YEAR**

**(Regulations for the candidates admitted from 2017-2018 onwards)**

**PAPER II – ANATOMY**

*Q.P. Code: 746273*

**Time: Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the movements of Knee joint with the muscles involved. Write the attachments and nerve supply of these muscles. Name the bursae related to patella with applied anatomy.
2. What is Ape thumb deformity? Which nerve injury is responsible for it? Describe the nerve under the following headings:
  - a) Origin and root value
  - b) Course and relations
  - c) Distribution

**II. Write notes on:**

**(10 x 5 = 50)**

1. Pectoralis major.
2. Inversion and eversion.
3. Ligaments of hip joint.
4. Lumbricals.
5. Obturator nerve.
6. Intercostal muscles.
7. Rectus sheath.
8. Sulci and Gyri of Superolateral surface of cerebrum.
9. Broncho pulmonary segments.
10. Great Saphenous Vein.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Name the branches of posterior cord of brachial plexus.
2. Name the rotator cuff muscles.
3. Name the carpal bones in order.
4. Name the veins of lower limb.
5. Write the parts of a vertebra.
6. Write the parts of a nephron.
7. Write the parts of male reproductive system.
8. Write the parts and importance of pelvic diaphragm.
9. Name the parts of pharynx.
10. Write the formation of circle of Willis.

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**BPT DEGREE EXAMINATION**

**FIRST YEAR**

**(Regulations for the candidates admitted from 2017-2018 onwards)**

**PAPER II – ANATOMY**

*Q.P. Code: 746273*

**Time: Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the Median nerve under following headings:  
a) Origin & termination      b) Root value      c) Course and Relations  
d) Branches & Distributions      e) Applied Anatomy
2. Describe the Femoral triangle and its contents in detail.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Triceps brachii muscle.
2. Radial artery.
3. Popliteal fossa.
4. Foot drop.
5. Adductor canal.
6. Middle ear.
7. Types of muscles.
8. Urinary bladder.
9. Sternocleidomastoid.
10. Basal Ganglia.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Name the contents of intercostal space.
2. Name the parts of the Sternum.
3. Name the paranasal air sinuses.
4. Name the arteries, which forming the Circle of Willis.
5. Name the flexor muscles of the elbow joint.
6. Name the types of muscles with examples.
7. Name the parts of the small intestine.
8. Muscles supplied by the ulnar nerve in the forearm.
9. Origin and termination of femoral artery.
10. Action of the Soleus muscle.

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

[LR 1220]

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 6273**

**BPT DEGREE EXAMINATION  
FIRST YEAR  
(New regulations for the candidates admitted from 2017-2018 onwards)  
PAPER II – ANATOMY  
Q.P. Code: 746273**

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe in detail about the Hip joint under the following headings:
  - a) Type and variety
  - b) Articulating bones
  - c) Ligaments
  - d) Blood supply and Nerve supply
  - e) Movements and muscles responsible
  - f) Applied anatomy.
2. Describe the Radial nerve under the following headings:
  - a) Origin and termination
  - b) Root value
  - c) Course and Relations
  - d) Branches & Distributions
  - e) Applied Anatomy

**II. Write notes on:**

**(10 x 5 = 50)**

1. Deltoid muscle.
2. Cubital fossa.
3. Femoral triangle.
4. Radioulnar joint.
5. Basal ganglion.
6. Diaphragm.
7. Axillary lymph nodes.
8. Blood supply of heart.
9. Dorsiflexors of foot.
10. Parts of stomach.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Sternal angle.
2. Boundaries of posterior triangle.
3. Name the contents of carotid triangle.
4. Name the unpaired bones of skull.
5. Name the parts of long bone.
6. Branches of common peroneal nerve.
7. Name the branches of axillary artery.
8. Name the actions produced by lumbrical muscle.
9. Name any four bursae around knee joint.
10. Name the muscles of anterior abdominal wall.

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

**[BPT 0321]**

**MARCH 2021  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 6273**

**BPT DEGREE EXAMINATION  
FIRST YEAR (FOR 2019-2020 REGISTERED CANDIDATES)  
PAPER II –ANATOMY  
Q.P. Code: 746273**

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe in detail about the shoulder joint under the following headings.  
a) Articulating bones b) type and variety c) ligaments d) relations e) movements possible and muscles responsible f) applied anatomy.
2. Describe the sciatic nerve under following headings.  
a) Origin b) root value c) termination d) course and relations e) branches and distributions and applied anatomy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Femoral nerve.
2. Popliteal artery.
3. Adductor magnus.
4. Pronation and supination.
5. Boundaries and contents of Axilla.
6. Carpal tunnel syndrome.
7. Typical Intercostal nerve.
8. Type of bones.
9. Urinary bladder.
10. Cerebellum.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Formation and termination of cephalic vein.
2. Muscles forming rotator cuff.
3. Structures passing deep to the flexor retinaculum of foot.
4. Name the muscles attached to iliotibial tract.
5. Name the Layers of pericardium.
6. Anatomical lobes of liver.
7. Name the arteries forming circle of Willis.
8. Parts of pharynx.
9. Parts of long bone.
10. Branches of lateral cord of brachial plexus.

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

**[BPT 0921]**

**SEPTEMBER 2021  
(FEBRUARY 2021 EXAM SESSION)**

**Sub. Code: 6273**

**BPT DEGREE EXAMINATION  
FIRST YEAR- (Regulations for the candidates admitted from 2017-2018 onwards)  
PAPER II –ANATOMY  
Q.P. Code : 746273**

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe in detail about the knee joint under the following headings.
  - a) Type and variety
  - b) Articulating bones
  - c) Ligaments
  - d) Blood supply and nerve supply
  - e) Movement and muscles responsible.
  - f) Applied Anatomy.
2. Describe the Ulnar nerve under the following headings.
  - a) Origin and termination
  - b) Root Value
  - c) Course and relations
  - d) Branches and distributions
  - e) Applied Anatomy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Brainstem.
2. Sternoclavicular Joint.
3. Popliteal fossa.
4. Gluteus maximus.
5. Intercostal nerve.
6. Blood supply to the Brain.
7. Axillary Nerve.
8. Atlantoaxial joint.
9. Gross structure of kidney.
10. Sacroiliac joint.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Types of Muscle
2. Name the branches of Brachial artery
3. Types of Bone.
4. Name the cell organelles.
5. Name the parts of ear.
6. Name the divisions of pharynx.
7. Type and articular surfaces of subtalar joint.
8. Name the arches of foot.
9. Name the curvatures of vertebral column.
10. Type and articular surface of pubic symphysis.

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

**[BPT 0122]**

**JANUARY 2022  
(AUGUST 2021 EXAM SESSION)**

**Sub. Code: 6273**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FIRST YEAR- (Regulation from 2017-2018 onwards)  
PAPER II –ANATOMY  
Q.P. Code : 746273**

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe in detail about the knee joint under the following headings.  
a) Articulating bones b) type and variety c) ligaments d) relations e) Movements possible and muscles responsible. f) applied anatomy.
2. Describe Brachial Plexus in detail, add a note on its applied anatomy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Inversion and eversion.
2. Obturator nerve.
3. Soleus.
4. Anatomosis around elbow joint.
5. Ulnar nerve in hand.
6. Triceps brachii.
7. Types of joints.
8. Right Kidney.
9. Sternocleidomastoid.
10. Functional area of cerebrum.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Branches of radial nerve in radial groove.
2. Structures present in 4<sup>th</sup> compartment of extensor retinaculum of hand.
3. Name the muscles in 2<sup>nd</sup> layer of sole.
4. Contents of inguinal canal.
5. Name the hamstring muscles.
6. Parts of conducting system of heart.
7. Parts of ureter.
8. Name the cranial nerves emerges from pons.
9. Name the papillae in tongue.
10. Types of cartilages.

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

[BPT 0622]

JUNE 2022

Sub. Code: 6273

(FEBRUARY 2022 EXAM SESSION)

BACHELOR OF PHYSIOTHERAPY DEGREE COURSE

FIRST YEAR- (Regulation from 2017-2018 onwards)

PAPER II –ANATOMY

*Q.P. Code : 746273*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. List out the muscles present in the arm and discuss the attachments, nerves supply and action of the muscles present in the anterior and posterior compartments.
2. Describe the facial nerve under the following heading:
  - a) Nucleus of origin
  - b) Course and relation
  - c) Distribution
  - d) Applied anatomy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Define bone and explain the types of bone.
2. Patellar plexus.
3. Difference between right and left lung.
4. Explain the ligaments of knee joint.
5. Gluteus maximus.
6. Sacroiliac joint.
7. Parts of long bone.
8. Blood supply of heart.
9. Bronchopulmonary segments.
10. Femoral triangle.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Name the hamstring muscle.
2. Name the layers of pharynx.
3. Eustachian tube.
4. Ligamentum flava.
5. Type and variety of atlantoaxial joint.
6. Screw home movement.
7. Ape thumb deformity.
8. Two differences of male and female pelvis.
9. Insertion of triceps brachii.
10. Name the parts of small intestines.

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

[BPT 1022]

OCTOBER 2022  
(AUGUST 2022 EXAM SESSION)

Sub. Code: 6273

BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FIRST YEAR- (Regulation from 2017-2018 onwards)  
PAPER II –ANATOMY  
*Q.P. Code : 746273*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Write in detail about medial and lateral longitudinal arches of foot with labeled diagram.
2. Explain in detail about Brachial Plexus with clear diagram and its applied anatomy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Quadriceps muscle.
2. Anatomical snuff box.
3. Musculo cutaneous nerve.
4. Wrist joint.
5. Ear.
6. Parts of brain and its function.
7. Circle of Willis.
8. Movements of ribs.
9. Heart.
10. Humerus.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Ape thumb deformity.
2. Clavipectoral fascia.
3. Wrist drop.
4. Popliteal fossa.
5. Glenoid labrum.
6. Inguinal canal.
7. Muscles of respiration.
8. Lower end of femur.
9. Peritoneal cavity.
10. Retina.

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

[BPT 0423]

APRIL 2023  
(FEBRUARY 2023 EXAM SESSION)

Sub. Code: 6273

BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FIRST YEAR - (Regulation from 2017-2018 onwards)  
PAPER II – ANATOMY

*Q.P. Code: 746273*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

- Describe in detail about the hip joint under the following headings:
  - Type and variety
  - Articular surface
  - Ligaments
  - Blood supply and nerve supply
  - Movements and muscles involved
  - Applied anatomy.
- List out the organs of upper and lower respiratory tract and write detail about the lungs under the following heading:
  - Size and shape
  - Surface anatomy
  - Blood supply
  - Venous and lymphatic drainage
  - Nerve supply
  - Relations
  - Bronchopulmonary segments.

**II. Write notes on:**

**(10 x 5 = 50)**

- Explain the types of Synovial Joint with examples.
- Erb's palsy.
- Ligaments of shoulder joints.
- Urinary bladder.
- Sternoclavicular joint.
- Muscles of mastication.
- Hamstring muscle.
- Features and attachment of typical rib.
- Rectus sheath.
- Internal capsule.

**III. Short answers on:**

**(10 x 2 = 20)**

- Scapulohumeral Rhythm.
- Name the extensors of wrist.
- Action of Plantaris.
- Name the parts of Pelvic diaphragm.
- Name the bones in tarsus.
- Mention the muscles of inversion.
- Name any two lymph nodes of lower limb.
- Mention the layers of Meninges.
- Carpel tunnel syndrome.
- Name the muscles of Rotator cuff.

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

[BPT 1123]

NOVEMBER 2023  
(AUGUST 2023 EXAM SESSION)

Sub. Code: 6273

BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FIRST YEAR - (Regulation from 2017-2018 onwards)  
PAPER II – ANATOMY

*Q.P. Code: 746273*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Write in details about the sex difference between male and female Pelvis.
2. Explain in detail about type, articulation, ligament support, relations, muscle attachments and applied anatomy of Shoulder joint.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Trapezius.
2. Rectus sheath.
3. Femoral triangle.
4. Clavicle.
5. Skull.
6. Kidney.
7. Trigeminal nerve.
8. Eye.
9. Features of typical and atypical rib.
10. Diaphragm.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Sternal angle.
2. Biceps brachi.
3. Claw hand deformity.
4. Brachial plexus.
5. Radioulnar joint.
6. Syndesmosis.
7. Abdominal aorta.
8. Movements of respiration.
9. Circle of Willis.
10. Carpal bones.

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**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION  
FIRST YEAR - (Regulations from 2017-2018 onwards)  
PAPER II – ANATOMY**

*Q.P. Code: 746273*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Write in detail about origin, course, distribution, muscle supply and applied anatomy of Radial nerve.
2. Explain in detail about type, articular relations, ligaments support, muscle attachment, blood supply and applied anatomy of Hip joint.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Triceps muscle.
2. Femoral nerve.
3. Radius.
4. Circle of Willis.
5. Vertebral column.
6. Lung.
7. Facial nerve.
8. Posterior tibial artery.
9. Cubital fossa.
10. Axilla.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Boxer's muscle.
2. Lower end of ulna.
3. Foot drop.
4. Cruciate ligament.
5. Abdominal aorta.
6. Urethra.
7. Muscles of pelvic floor.
8. Xiphoid process.
9. Typical rib.
10. Extra Ocular Muscles.

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**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FIRST YEAR - (Regulations from 2017-2018 onwards)  
PAPER II – ANATOMY**

*Q.P. Code: 746273*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the type, articular surfaces, ligaments, relations, movements and muscles causing the movements, blood supply and nerve supply of the knee joint.
2. Describe the origin, course and relations, distribution, branches and applied anatomy of ulnar nerve.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Dorsiflexors of foot.
2. Deltoid muscle.
3. Cervical vertebrae.
4. Axilla – boundaries and contents.
5. Popliteal fossa.
6. Middle ear.
7. Describe about the true, false and floating ribs.
8. External features, chambers and valves of Heart.
9. Gluteus maximus.
10. Left lung.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Name any two pelvic floor muscles.
2. Write the termination and any two tributaries of internal jugular vein.
3. Pivot joint.
4. Name any two muscles supplied by femoral nerve.
5. Mention any four branches of Lumbar plexus.
6. Write any two branches and one clinical importance of brachial artery.
7. Synapse.
8. Nephron.
9. Curvatures of vertebral column.
10. Name the rotator cuff muscles.

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**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FIRST YEAR - (Regulations from 2017-2018 onwards)  
PAPER II – ANATOMY**

*Q.P. Code: 746273*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the origin, course and relations, distribution, branches and applied anatomy of femoral nerve.
2. Describe the types, formation, factors maintaining, functions and applied anatomy of arches of foot in detail.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Brachial plexus - Formation, root value and one applied anatomy.
2. Inguinal canal - Boundaries and contents.
3. Brainstem.
4. Pleura and its reflections.
5. Blood supply of heart.
6. Muscles of face.
7. Elbow joint.
8. Femoral triangle.
9. Great saphenous vein.
10. Ligaments and movements of Hip joint.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Pubic symphysis.
2. Boundaries of femoral triangle.
3. Saddle joint.
4. Name any two muscles supplied by obturator nerve.
5. Contents of vertebral canal.
6. Name the unpaired bones of skull.
7. Action and nerve supply of Deltoid muscle.
8. Lumbricals of hand.
9. Name the muscles of mastication.
10. Name any four bursae around knee joint.

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