

04

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
(B.P.T.), NOVEMBER 1990.

Second Semester

Paper I — ANATOMY

Time : Three hours

Maximum : 100 marks

Answer ALL the questions.

Write short notes on:

- (a) Ischial tuberosity.
- (b) Linea aspera.
- (c) Bursae under cover of Gluteus maximus.
- (d) Tendo-Achillis.
- (e) Muscles under cover of Trapezius.

(5×2=10 marks)

2. Describe the general features of upper end of femur. Mention the ligaments and the capsular attachment of the hip joint. (2+1+2 = 5 marks)

3. Write the origin, course and distribution of musculo cutaneous nerve. (10 marks)

4. Describe the coracoid process or scapula. (5 marks)

5. Draw a labelled diagram of the sternum. Mention
(a) the joints related with the sternum
(b) the muscles attached to the sternum.
(5+3+2 = 10 marks)

6. Explain the following briefly.
(a) Pleural recesses.
(b) Ligaments of the elbow joint.
(2½+2½ = 5 marks)

7. Mention the types of ossification. Give example for each one. (3+2 = 5 marks)

8. Name the muscles which are responsible for the following movements
(a) Inversion of foot.
(b) Extension of the hip
(c) Flexion of the index finger.
(d) Adduction of the Thumb.
(e) Turning the head and neck to one side.
(5×1=5 marks)

9. What are the important differences between foetal skull and adult skull? (10 marks)

Write short notes on :

- (a) Palmar aponeurosis.
- (b) Digastric triangle.
- (c) Femoral canal.
- (d) Great saphenous vein.
- (e) Extensor expansion of fingers.

(5×3 = 15 marks)

What type of joint is shoulder joint? What are the movements actively taking place in the shoulder joint? Mention the principal muscles responsible for the active movements of the shoulder joint. (5+5 = 10 marks)

2. Mention the ligaments of liver. Mention the structures related to the inferior surface of liver.

(10 marks)

[672]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION,
APRIL 1992.

Second Semester — New Regulations

Paper I — ANATOMY

(Common to B.P.T. and B.O.T.)

Time : Three hours.

Maximum : 100

Answer ALL questions.

1. Write short notes on :

- (a) Styloid process of radius.
- (b) Carpus carpalis.
- (c) Head of fibula.
- (d) Acetabulum of hip bone.
- (e) Lymph node

(5 × 2 = 10)

2. What are the parts of the hip bone? Mention the differences between a male pelvis and a female pelvis.

(5)

3. Write the origin, course and distribution of the Median nerve. Mention the effects of injury to this nerve.

(10)

4. Describe the Atlanto-axial joint.

5. Draw a labelled diagram of mandible. Mention the age changes in mandible and the muscles attached to the mandible.

(10)

6. Explain the following briefly :

- (a) Hamstring muscles.
- (b) The urinary bladder.

(3 + 2 = 5)

7. Define stability of a joint. Mention the factors responsible for the stability of hip joint.

(5)

8. Name the muscles responsible for the following movements :

- (a) Lateral rotation of eye ball.
- (b) Retraction of mandible.
- (c) Extension of elbow joint.
- (d) Eversion of foot
- (e) Flexion of hip joint.

(5 × 1 = 5)

9. What are the movements of scapula? Mention the muscles producing these movements. Name the joints or which these muscles act.

(10)

10. Write short notes on :

- (a) First rib.

April-1992

(f) Vertebral canal.

(g) Fontanelle of foetal skull.

(d) Cerebellum.

(e) Radial artery.

(5 × 3 = 15)

1. Mention the extensor group of muscles acting on the hip joint. Mention the position, origin, insertion, nerve supply and applied anatomy of these muscles (10)

2. Mention the internal structure and basic features parts of the brain stem and name the cranial nerves attached to it. (10)

**Bachelor of Physiotherapy
- Degree Examination**

Second Semester

Paper I — ANATOMY

(Common to B.P.T. and B.O.T.)

Time : Three hours

Maximum : 100 Ma

Answer ALL the questions

Write short notes on :

- (a) Anterior superior iliac spine
- (b) Rotator cuff
- (c) Pleurae
- (d) Brachialis muscle
- (e) Ligamentum patellae (5X2 = 10)

2. Explain the terms pronation and supination. Mention the joints and the muscles involved in these movements (2+1+2 = 5)

3. Write the origin, Course, relations and distribution of Axillary nerve. Add a note on its clinical significance. (10)

4. Describe the microscopic structure of bone with a suitable diagram (5)

5. Draw a labelled diagram of the clavicle.

Mention (a) The muscles attached

(b) The Joints related (4+4+2 = 10)

6. Explain the following briefly :

- (a) Lateral ligament of Knee joint
- (b) Right Kidney (5)

7. Give the general features of secondary cartilagenous Joints. Mention two examples (5)

8. Name the muscles responsible for the following movements :

- (a) Abduction of shoulder joint
- (b) Opening of mouth
- (c) Flexion of Elbow joint
- (d) Adduction of Thigh
- (e) Eversion of Foot (5X1 = 5)

9. Discuss in detail the anatomy of spinal cord (10)

10. Write short notes on :

- (a) Flexor Retinaculum of Hand
- (b) Popliteal Fossa
- (c) Ramus of Mandible
- (d) Brain stem
- (e) Right atrium of Heart (5X3 = 15)

11. What type of joint is Hip joint? Mention the movements taking place in this joint and name the muscles responsible for them. Add a note on the applied anatomy of Hip joint. (10)

12. What are the features of a Typical Vertebra. Write the characteristics of cervical and Thoracic Vertebrae (10)

November-1994

[ND 785]

Bachelor of Physiotherapy Degree Examination

Second Semester

Paper - I ANATOMY

(Common to B.P.T. and B.O.T.)

Time : Three hours

Maximum : 100 marks

Answer ALL the Questions

1. Write short notes on :

- a) Pisiform Bone
- b) Palmar aponeurosis
- c) Femoral sheath
- d) Serratus Anterior muscle
- e) Ligamentum Nuchae

(5×2=10)

2. Explain the terms Abduction and Adduction in shoulder joint and the muscles involved in these movements (2+3=5)

3. Write the origin, course, relations and distribution of ulnar nerve in the Palm. Add a note on its clinical importance. (10)

4. Describe the microscopic structure of Hyaline cartilage with a suitable diagram. (5)

5. Draw a labelled diagram of the scapula. Mention

a) The muscles attached

b) The joints related

(4+4+2=10)

6. Explain the following briefly :

a) Inguinal ligament

b) Stomach

(5)

7. Give the general features of fibrous joints. Mention two examples. (5)

8. Name the muscles responsible for the following movements :

a) Flexion of shoulder joint

b) Closing of mouth

c) Extension of elbow joint

d) Abductors of Hip joint

e) Inversion of foot

(5×1=5)

9. Discuss in detail the mechanism of walking

(10)

10. Write short notes on :

a) Wrist drop

b) Digastric Triangle

c) Styloid Process

d) Pons

e) Right Ventricle

(5×3=15)

11. Mention the joints of the Thumb and their types. Enumerate the movements taking place in these joints and name the muscles responsible for them. Add notes on the applied anatomy of the joints of the Thumb. (10)

12. What are the features of a Typical Rib? Write the characteristics of the first and the twelfth Rib (1st and 12th) (10)

November-1995

[MB 902]

**Bachelor of Physiotherapy
Degree Examination**

(New / Revised Regulations)

Second Semester

Paper I - ANATOMY

(Common to BPT and BOT)

Time : Three hours

Max : 100 marks

Answer Section A and B in separate answer books

Draw diagrams wherever necessary

SECTION— A

1. Write an essay on any ONE of the following
 - a) Microscopic structure of bone.
 - b) Distribution of median nerve in the palm and its clinical importance (14)
2. Write brief answers on any Two of the following
 - a) Ulna and the muscles attached and joints related to it.
 - b) Brachial plexus.
 - c) Cerebral hemispheres (2×8=16)
3. Write short notes on any Five of the following
 - a) Hamate bone
 - b) Epicranial aponeurosis
 - c) Perichondrium
 - d) Pectoralis major
 - e) Crucial ligaments
 - f) Sacrospinous ligament
 - g) Oesophagus (5×4=20)

SECTION - E

1. Write an essay on any ONE of the following
 - a) The mechanism of the arches of the foot
 - b) State the main features, subdivisions boundaries and walls of the bony pelvis Describe the sacro-iliac joint in detail (14)
2. Write brief answers on any Two of the following
 - a) Joint of the vertebral column and muscles involved in the movements of their joints.
 - b) General features of cartilaginous joints and mention two examples.
 - c) Hip joint and the muscles involved in the medial rotation lateral rotation (2X8=16)
3. Write short notes on any Five of the following
 - a) Foot drop
 - b) Patella
 - c) Subclavian triangle
 - d) Left ventricle
 - e) Supination and pronation of forearm
 - f) Plantar flexors
 - g) Abduction and adduction of shoulder joint. (5X4=20)

April-1996

[AK 902] ~

Bachelor of Physiotherapy Degree Examination

(New/Revised Regulations)

Second Semester

Paper I - ANATOMY

(Common to BPT and BOT)

Time : Three hours. Maximum : 100 marks.

Answer Sections A and B in separate answer books.

Draw diagrams wherever necessary.

SECTION - A

1. Write an essay on any ONE of the following :

- ✓a) Microscopic structure of spleen.
- ✓b) Distribution of ulnar nerve in the palm and its clinical importance. (1X14=14)

2. Write brief answers on any TWO of the following :

- a) Scapula-features, muscles, and joints related to it.
- ✓b) Lumbar plexus.
- c) Stomach bed. (2X8=16)

3. Write short notes on any FIVE of the following :

- a) Lower end of radius
- b) Falx cerebri
- c) Periosteum.
- d) Deltoid muscle
- e) Intra articular ligaments of Hip Joint.
- f) Coracoclavicular ligament.
- g) Trachea. (5X4=20)

SECTION—B

1. Write an essay on any ONE of the following :

- a) Mention the type, articular surfaces, ligaments and muscles acting on Elbow Joint. Add a note on its blood supply and nerve supply.
- b) Describe the boundaries and contents of popliteal fossa. (1X14=14)

2. Write brief answers on any TWO of the following :

- a) Broncho pulmonary segments of right lung.
- b) Circle of Willis
- c) Sensory and motor nerve supply of face. (2X8=16)

3. Write short notes on any FIVE of the following :

- a) Medial ligament of Ankle joint
- b) Iliac crest
- c) Inter vertebral disc
- d) Right atrium of Heart
- e) Histology of cartilage
- f) Sterno cleido mastoid muscle.
- g) Dorsalis pedis artery. (5X4=20)

[PK 902]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION

Second Semester

(New/Revised Regulations)

Paper I — ANATOMY

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A — (50 marks)

1. Write an essay on any ONE of the following : (1 × 14 = 14)
 - (a) Describe the shoulder joint in detail. Describe the movements actively taking place and muscles responsible for them in the shoulder joint.
 - (b) Describe the boundaries and contents of axilla. Name the branches of axillary artery.
2. Write brief answers on any TWO of the following : (2 × 8 = 16)
 - (a) Classify tissues and give examples for each.
 - (b) Classify joints with suitable examples.
 - (c) What are the arches of foot? Explain the factors responsible for maintaining medial longitudinal arch.
3. Write short notes on any FIVE of the following : (5 × 4 = 20)
 - (a) Nephron.
 - (b) Cardiac muscle.
 - (c) Inguinal canal.
 - (d) General features of typical cervical vertebra.
 - (e) Rectus sheath.
 - (f) Features of true rib.
 - (g) Medial ligament of knee joint.

[PK 902]

SECTION B — (50 marks)

4. Write an essay on any ONE of the following : (1 × 14 = 14)
 - (a) Describe the anatomy of spinal cord. Draw a cross section of the spinal cord and label. Add a note on its blood supply.
 - (b) Describe the formation of brachial plexus. Name its branches and their root value.
5. Write brief answers on any TWO of the following : (2 × 8 = 16)
 - (a) Describe the position, relations and blood supply of stomach.
 - (b) Enumerate cranial nerves in serial order. Outline the course of Facial nerve.
 - (c) Sensory and motor nerve supply of the tongue.
6. Write short notes on any FIVE of the following : (5 × 4 = 20)
 - (a) Diaphragm.
 - (b) Oesophagus.
 - (c) Pleura.
 - (d) Duramater.
 - (e) Larynx.
 - (f) Abdominal aorta.
 - (g) Pectoralis major.

[MS 902]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Second Semester

(Revised Regulations)

Paper I — ANATOMY

(Common to BPT and BOT,

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following : (20)

(a) Describe the formation of brachial plexus. Enumerate the branches and give their root value.

(b) Describe the arches of foot. What are the bones taking part? What are the muscles responsible for maintaining the arches?

2. Write short notes on any SIX : (6 × 5 = 30)

- (a) Duodenum.
- (b) Meninges.
- (c) Ligamentum patellae.
- (d) Hilum of lung.
- (e) Cardiac muscle.
- (f) Thymus gland.
- (g) Structure of lymphnode.
- (h) Opposition movement of thumb.

[MS 902]

SECTION B

3. Write an essay on any ONE of the following : (20)

(a) Name the parts of the respiratory system. Add a note on their functions.

(b) What are the movements taking place at the shoulder joint? What are the muscles responsible and add a note on their nerve supply.

4. Write short notes on any SIX : (6 × 5 = 30)

- (a) Popliteal fossa.
- (b) Circle of Willis.
- (c) Urinary bladder.
- (d) Movements of ribs.
- (e) Obturator nerve.
- (f) Medulla oblongata.
- (g) Anterior tibial nerve.
- (h) Stratified squamous epithelium.

[SV 902]

Sub. Code : 5116

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Second Semester

(Revised/Modified Regulations)

Paper I — ANATOMY

(Common to BPT and BOT)

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following :
(20 marks)

(a) Describe the general features of a typical cervical vertebra. Name the atypical cervical vertebrae.

(b) Describe the origin, course, relation and distribution of Radial nerve. Add a note on its clinical importance.

2. Write short notes on any SIX : (6 × 5 = 30 marks)

- (a) Name the cranial nerves in order.
- (b) Spermatocord.
- (c) Microscopic structure of skeletal muscle.
- (d) Inguinal canal.
- (e) Structure of lung.
- (f) Cartilaginous joint
- (g) Features of true rib.
- (h) Ligaments of uterus.

SECTION B

3. Write an essay on any ONE of the following : (20 marks)

(a) Describe the position, chambers and blood supply of heart.

(b) Classify, articular surface, ligaments, relations, movements and nerve supply of knee joint.

4. Write short notes on any SIX : (6 × 5 = 30 marks)

- (a) Nasal cavity.
- (b) Sternocleidomastoid.
- (c) Antagonists.
- (d) Axillary nerve.
- (e) Functions of cerebellum.
- (f) Boundaries and contents of Axilla.
- (g) Cutaneous distribution of the face.
- (h) Dura mater.

[SM 902]

Sub. Code : 5116

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Second Semester

(Revised Regulations)

Paper I — ANATOMY

(Common to BPT and BOT)

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following : (20)

(a) Mention the muscles producing abduction at the shoulder joint. Mention the origin, insertion and nerve supply of these muscles.

(b) Classify articular surfaces, ligaments, relations, movements, nerve supply and blood supply of Hip joint.

2. Write short notes on any SIX : (6 × 5 = 30)

(a) Rectus sheath

(b) Broncho pulmonary segment

(c) Structure of a neuron

(d) Sternum

(e) Deltoid muscle

(f) Diaphragm

(g) Dorsalis pedis artery

(h) Intervertebral disc.

SECTION

3. Write an essay on any ONE of the following : (20)

(a) Classify joints and give examples for each. Describe a synovial joint.

(b) Describe the anatomy of spinal cord. Draw a cross section of the spinal cord and label. Add a note on its blood supply.

4. Write short notes on any SIX : (6 × 5 = 30)

(a) Inversion and Eversion

(b) Stomach

(c) Internal capsule

(d) Upper end of ulna

(e) Gluteus medius

(f) Suprapatellar Bursa

(g) Femoral sheath

(h) Conducting system of heart.

April-1999

[SG 902]

Sub. Code : 5116

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Second Semester

(Revised Regulations)

Paper I — ANATOMY

(Common to BPT and BOT)

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

All questions carry equal marks.

Illustrate your answers with suitable labelled diagrams.

SECTION A

1. What are supination and pronation? Where do these movements take place? What are the muscles causing these movements? Give the origin insertion and nerve supply of supinator muscle. $(2 + 2 + 3 + 3 = 10)$
2. Describe the course, relations and distribution of the obturator nerve. $(4 + 3 + 3 = 10)$
3. Write short notes on : $(6 \times 5 = 30)$
 - (a) Spinal cord
 - (b) Pancreas
 - (c) Microscopic anatomy of bone

- (d) Spermatic cord
- (e) Mediastinal surface of left lung
- (f) Abductors of the shoulder joint.

- (d) Bronchopulmonary Segments
- (e) Deep peroneal nerve
- (f) Periosteum.

SECTION B

4. Describe the Hip joint under the following headings :

- (a) Bones taking part
- (b) Ligaments
- (c) Movements — muscles producing those movements
- (d) Applied anatomy. (1 + 3 + 4 + 2 = 10)

5. Give the attachment, actions and nerve supply of following muscles :

- (a) Deltoid muscle
- (b) Brachio radialis muscle
- (c) Biceps Brachii. (4 + 3 + 3 = 10)

6. Write short notes on : (6 × 5 = 30)

- (a) Femoral artery.
- (b) Inguinal canal
- (c) Kidney