

APRIL - 1990

055

BACHELOR OF OCCUPATIONAL THERAPY DEGREE
EXAMINATION, APRIL 1990

Second Semester

Paper I — ANATOMY

Time : Three hours

Maximum : 100 marks

Use separate answer-books for Sections A and B.

SECTION A — (50 marks)

Answer ALL the questions.

1. Mention the origin, insertion, nerve supply and action of the following :
 - (a) Serratus anterior.
 - (b) Biceps brachii.
 - (c) Sartorius.
 - (d) Sternocleidomastoid.
 - (e) Gluteus maximus. (5×4=20 marks)
2. What are the different types of joints? Give examples of each type of joint. Mention the nerve supply of the shoulder joint and the ligaments of ankle joint. (1+1+1+2=5 marks)
3. Write short notes on :
 - (a) Types of bones.
 - (b) Muscles of tongue.
 - (c) Functions of the hand. (3×2=6 marks)

4. Mention the boundaries and contents of the anterior triangle of neck. (2+3=5 marks)
5. Trace the olfactory pathway. (5 marks)
6. Mention the branches of the lumbar plexus. Name the muscles supplied by sciatic nerve. What is claw hand deformity? (2+2+1=5 marks)
7. Write briefly on the following :
 - (a) Pleura.
 - (b) Diaphragm. (2×2=4 marks)

SECTION B — (50 marks)

Answer ALL the questions.

8. Mention the movements that are taking place in the shoulder joint. Mention the muscles that perform the movements of this joint. What is meant by anterior dislocation of the shoulder joint? (2+2+1=5 marks)
9. Mention the various parts of the basal ganglia. What type of fibres are present in the corpus callosum? What is meant by upper motor neuron? Write the blood supply to the cerebrum. (1+1+1+2=5 marks)
10. Mention the position of the thyroid gland. Mention its hormones. Mention its blood supply. What is the other endocrine gland related to it in position? Mention the deficiency condition of the hormone secreted by the thyroid gland. (1+1+1+1+1=5 marks)

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11. Mention how do the following structures begin and end :

- (a) Axillary artery.
- (b) Digestive tract.
- (c) Inferior venacava.
- (d) Median nerve.
- (e) Cephalic vein. (5×1=5 marks)

12. Name the chief muscles with their nerve supply :

- (a) Pronation of fore arm.
- (b) Eversion of foot.
- (c) Adduction of ring finger.
- (d) Extension of knee.
- (e) Protraction of the mandible. (5×1=5 marks)

13. Give the microscopic structure of the following :

- (a) Vein.
- (b) Lung.
- (c) Skin. (3×2=6 marks)

14. Mention the muscles supplied by oculomotor nerve. hormones secreted by the ovaries. Mention the blood Mention the paralytic condition of the trochlear nerve.

(1+1+1=3 marks)

15. Mention the position of the ovary. What are the hormones secreted by the uterus? Mention the blood supply of the ovary. Write the functions of the uterus. Write the cyclic changes of the uterus.

(1+1+1+1+2=6 marks)

16. What is meant by the following ?

- (a) Medial.
- (b) Parasagittal.
- (c) Collateral circulation.
- (d) Ischaemia.
- (e) Retraction.
- (f) Circumduction. (6×1=6 marks)

17. Name the muscles which are to be affected when a person is unable to

- (a) write,
- (b) unlock the flexed knee,
- (c) bring the cup to the mouth,
- (d) protrude the tongue. (4×1=4 marks)

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BACHELOR OF OCCUPATIONAL THERAPY DEGREE EXAMINATION (B.O.T.), NOVEMBER 1990.

Second Semester

Paper I — ANATOMY

Time : Three hours

Maximum : 100 marks

Answer ALL the questions.

1. Mention the origin, insertion, nerve supply and action of the following muscles :
 - (a) Trapezius.
 - (b) Adductor magnus.
 - (c) Pronator teres.
 - (d) Buccinator.
 - (e) Triceps. (5×4 = 20 marks)
2. Trace the visual pathway. (5 marks)
3. What is meant by ossification? Mention the types of ossification. Explain each, giving examples. (1+1+2+1 = 5 marks)
4. What type of joint is shoulder joint? Mention the bony parts taking part in the formation of the joint. Mention the attachments of the capsule of the shoulder joint. Mention the movements possible in the joint. (1+1+1+2 = 5 marks)

5. Mention the boundaries and contents of popliteal fossa. (2+3 = 5 marks)
6. Name the branches of the lateral cord of brachial plexus. Mention the course of the ulnar nerve in the palm. Name the muscles supplied by its deep branch. Name the deformity when the nerve is injured. (1+2+1+1 = 5 marks)
7. What is meant by pleural recesses? Mention the types of pleural recesses. What is meant by pulmonary ligament? Mention the importance of this ligament. (1+1+1+2 = 5 marks)
8. Define supination and pronation movements of forearm. Mention the muscles performing these movements and their nerve supply. (5 marks)
9. Name the ventricles of the brain. Mention the formation and circulation of C.S.F. (1+2+2 = 5 marks)
10. Mention how do the following structures begin and end :
 - (a) Brachial Artery.
 - (b) Trachea.
 - (c) Femoral vein.
 - (d) Vas deferens.
 - (e) Common peroneal nerve. (5×1 = 5 marks)
11. Mention the different parts of the pituitary gland. Name the hormones secreted by each part. Mention the place where it is situated. (2+2+1 = 5 marks)

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12. Name the chief muscles with their nerve supply which produce :

- (a) Inversion of foot.
- (b) Flexion of the arm at the shoulder.
- (c) Adduction of thumb.
- (d) Extension of the hip.
- (e) Protraction of the scapula. (5×1 = 5 marks)

13. What are the muscles supplied by the facial nerve? Mention its branches. (2+3 = 5 marks)

14. Give the minute structure of the following :

- (a) Bone.
- (b) Artery.
- (c) Lymph node. (2×3 = 6 marks)

15. Mention the organs of reproduction in male. Give the blood supply of uterus. Mention its functions. (1+2+2 = 5 marks)

16. What is meant by the following ?

- (a) Coronal.
- (b) Anastomosis.
- (c) Olfaction.
- (d) Evagination. (4×1 = 4 marks)

17. Name the muscles which are to be affected when a person is unable to

- (a) Hold a paper between index and middle finger.
- (b) Close the upper eye lid.
- (c) Raise the arm above the shoulder.
- (d) Whistle.
- (e) Extend the knee. (5×1 = 5 marks)

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**BACHELOR OF OCCUPATIONAL THERAPY (B.O.T.) DEGREE
EXAMINATION, APRIL 1991.**

Second Semester

Paper I — ANATOMY

Time : Three hours. Maximum : 100 marks.

Answer ALL the questions.

1. Mention the origin, insertion, nerve supply and action of the following muscles :
 - (a) Pectoralis major.
 - (b) Masseter.
 - (c) Gluteus maximus.
 - (d) Latissimus dorsi.
 - (e) Coraco-Brachialis. (20 marks)
2. Trace the pyramidal tract. (5 marks)
3. What are the various types of tissue in the human body? Explain each, giving examples. Mention their functions. (5 marks)
4. What type of a joint is the knee joint? Mention the bony parts taking part in the formation of the joint. Name the intra articular ligaments of the joint. Mention the movements possible in the joint. (5 marks)
5. Mention the boundaries and contents of the subsartorial (adductor) canal. (5 marks)
6. What is Erb's point? Name the nerves originating from this point. Name the principal muscles paralysed and the actions lost in Erb's paralysis. (5 marks)
7. Draw a labelled diagram of a neuron. Describe the formation, course and branches of a typical spinal nerve. (5 marks)
8. Define abduction movement of the shoulder joint. Outline the mechanism of hyper abduction at the shoulder. (5 marks)
9. Briefly describe the structure of the right atrium of the heart. Name the blood vessels opening into it. (5 marks)
10. Mention how the following structures begin and end :
 - (a) Oesophagus.
 - (b) Common iliac artery.
 - (c) Tibial nerve.
 - (d) Internal jugular vein.
 - (e) Thoracic duct.
11. Name the parts of the suprarenal gland. Mention the hormones secreted by each part. (5 marks)
12. Name the chief muscles and their nerve supply, which produce :
 - (a) Abduction of hip.
 - (b) Protraction of the mandible.
 - (c) Dorsiflexion of foot.
 - (d) Pronation.
 - (e) Extension of elbow. (5 marks)

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13. Mention the various parts of the respiratory tract. Name the epithelium lining the air passage. Name the Broncho pulmonary segments in the right lung. (5 marks)

14. Give the minute structure of the following :

- (a) Skin.
- (b) Striated muscle.
- (c) Vein. (6 marks)

15. Name the reproductive organs in male. What is the normal position of the adult uterus? What are its anterior and posterior relations? (5 marks)

16. What is meant by the following ?

- (a) Circumduction.
- (b) Auditory.
- (c) Mid-sagittal.
- (d) Varicose. (4 marks)

17. Name the muscles which are likely to be affected when a person is unable to

- (a) Evert the foot.
- (b) Turn the head to one side.
- (c) Lift the eyebrows.
- (d) Expel urine.
- (e) Flex the elbow. (5 marks)

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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 callosum
 - (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. (16)
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.
; inversion 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. 2

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(f) Vertebral canal.

(c) 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)

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[PR 626]

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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

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)

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[NO 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

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)
 - i. 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 (5X3=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)
 2. What are the features of a Typical Rib? Write the characteristics of the first and the twelfth Rib (1st and 12th) (10)

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[SB 799]

**Bachelor of Physiotherapy
Degree Examination**

(New/Revised Regulations)

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) Scaphoid Bone
 - b) Periosteum
 - c) Plantar aponeurosis
 - d) Teres Major
 - e) Flexor Retinaculum of Palm (5X2=10)
2. Explain the terms Flexion and Extension in Elbow joint and the muscles involved in these movements. (2+3=5)
3. Write the origin, course, relations and distribution of Axillary Nerve. Add a note on its clinical importance (10)
4. Describe the microscopic structure of Elastic cartilage with a suitable diagram. (5)
5. Draw a labelled diagram of the Radius. Mention
 - a) the muscles attached
 - b) the joints related (4+4+2=10)
6. Explain the following briefly :
 - a) Sacro-Tuberous Ligament
 - b) Tongue (5)
7. Give the general features of synovial joints. Give two examples (5)
8. Name the muscles responsible for the following movement :
 - a) Abduction of shoulder joint
 - b) Protraction of Mandible
 - c) Supination
 - d) Extension of Hip joint
 - e) Screw home movement (5 X 1 = 5)
9. Discuss in detail the mechanism of running. (10)
10. Write short notes on :
 - a) Erb's paralysis
 - b) Mastoid process
 - c) Cubital fossa
 - d) Cerebellum
 - e) Right lung (5 X 3 = 15)
11. Describe in detail the Ankle joint. Enumerate the movements that take place in the joint and name the muscles responsible for them. Add a note on the applied anatomy of the joint. (10)
12. What are the features of a typical cervical vertebra. Write the characteristics features of First and second cervical vertebra. (10)

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[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 - B

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 (2×8=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. (5×4=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)

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[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) Thyroid 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.

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[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) Spermatic cord.
 - (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) Duramater.

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[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.

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[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 × 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.

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

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