

February 2012

[LA 6154]

Sub. Code: 6154

BACHELOR OF OCCUPATIONAL THERAPY EXAMINATION

FIRST YEAR

Paper IV – BASIC OT AND THERAPEUTIC ACTIVITIES

Q.P. Code: 786154

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2X20=40)

1. Briefly outline the roles of the different members in the Rehabilitation team.
Describe the role of the Occupational Therapist in the Rehabilitation team.
2. Briefly describe any four therapeutic activities suitable for a child confined to the bed.

II. Write notes on :

(8X5=40)

1. What are the subsystems in the Model of Human Occupation? Briefly describe each.
2. What are Activities of daily Living?
3. Analyze the cognitive perceptual components of Card Symmography
4. What are the therapeutic values of collage?
5. How can you grade macreme cord knotting for strength and coordination?
6. Describe any five Occupational Therapy treatment objectives in Psychiatric conditions.
7. Describe the media used in Occupational Therapy intervention.
8. Describe Batik Printing.

III. Short Answers :

(10X2=20)

1. Differentiate isometric and isotonic contraction.
2. What is the meaning of Occupation?
3. Name any two equipments used in therapy to improve shoulder strength.
4. Frame of Reference.
5. What is ethics?
6. Blow painting.
7. Name any two types of leather.
8. Any two therapeutic values of Ball decoration.
9. Adapting chess for a blind person.
10. List any two operating systems in Computers.

[LB 6154]

AUGUST 2012

Sub. Code: 6154

FIRST YEAR BOT EXAM

PAPER – IV BASIC OT AND THERAPEUTIC ACTIVITIES

Q.P. Code: 786154

Time: Three Hours

Maximum: 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|--|----|----|----|
| 1. Describe the Recent development of Occupational Therapy in India and the role of Occupational Therapy in Cardio pulmonary unit. | 19 | 33 | 20 |
| 2. Define Occupation. Explain the philosophy and concept of occupation and Occupational Loss. | 19 | 33 | 20 |

II. Write notes on:

- | | | | |
|---|---|---|---|
| 1. Analyse blow painting as a therapeutic activity. | 3 | 8 | 5 |
| 2. Gardening. | 3 | 8 | 5 |
| 3. Uses of power point presentation. | 3 | 8 | 5 |
| 4. Outline treatment objectives for children. | 3 | 8 | 5 |
| 5. Types of referral in Occupational Therapy. | 3 | 8 | 5 |
| 6. Ethics of Occupational Therapy. | 3 | 8 | 5 |
| 7. Person environment Occupational performance. | 3 | 8 | 5 |
| 8. Palmer pocket. | 3 | 8 | 5 |

III. Short Answers :

- | | | | |
|--|---|---|---|
| 1. Care of leather tools. | 1 | 5 | 2 |
| 2. Prevocational value of chair caning. | 1 | 5 | 2 |
| 3. Therapeutic values of Tailoring. | 1 | 5 | 2 |
| 4. Professional conduct. | 1 | 5 | 2 |
| 5. World federation of Occupational Therapy. | 1 | 5 | 2 |
| 6. Isometric contraction. | 1 | 5 | 2 |
| 7. Active assisted movement. | 1 | 5 | 2 |
| 8. Remedial objectives. | 1 | 5 | 2 |
| 9. Definition of Model. | 1 | 5 | 2 |
| 10. College. | 1 | 5 | 2 |

[LC 6154]

FEBRUARY 2013

Sub. Code: 6154

FIRST YEAR BOT EXAM

PAPER – IV BASIC OT AND THERAPEUTIC ACTIVITIES

Q.P. Code: 786154

**Time: Three Hours
(180 Min)**

Maximum: 100 marks

I. Elaborate on: (2X20=40)

1. Explain the Canadian model of Occupational Performance.
2. Outline treatment objectives for physical conditions; remedial, ADL, prevocational for resettlement.

II. Write Notes on: (8X5=40)

1. What is activity adaptation.
2. Analyse muscle and muscle contractions involved in doing clay modeling with fore arms resting on table.
3. Scope of O.T in the community.
4. Role of speech therapist in Rehab team.
5. Explain play as a therapeutic activity.
6. Opponeas splint.
7. Consequences of Occupational Loss.
8. Media used in Occupational Therapy.

III. Short Answers: (10X2=20)

1. Passive movement.
2. Concentric contraction.
3. General aspects of activity analysis.
4. Units in an Occupational Therapy department.
5. Therapist patient relationship.
6. Volition subsystem.
7. Drama as a recreational activity.
8. Definition of Approaches.
9. Storage of leather material.
10. Costing of projects.

[LD 6154]

AUGUST 2013

Sub. Code : 6154

FIRST YEAR BOT EXAM

Paper IV – BASIC OT AND THERAPEUTIC ACTIVITIES

Q.P. Code: 786154

Time: Three hours

Maximum : 100 marks

I. Elaborate on: (2x20 = 40)

1. What is Rehabilitation? Who are the members of a Rehabilitation team? Discuss role of Occupational Therapist in the Rehabilitation team.
2. Activity analysis of Collage: Cognitive and perceptual and Psychosocial components

II. Write Notes on: (8x5 = 40)

1. Scope of Occupational Therapy in a major Hospital
2. Characteristics of activities used in Occupational Therapy
3. Treatment objectives in Occupational Therapy for children
4. Gradation of Cord knotting for strength and coordination
5. Ethics related to professional conduct
6. Model of Human Occupation
7. Tie and Dye
8. Development of Occupational Therapy in India

III. Short Answers on: (10x2 = 20)

1. Definition of Occupational Therapy
2. Occupational Form and Occupational Performance
3. Blow Painting
4. Any two equipments used in Occupational therapy for upper limb strength training
5. Any four therapeutic values of collage
6. Universal Cuff
7. Frames of reference
8. Differentiate Isometric and isotonic muscle contractions
9. Any two Operating Systems in computers
10. Activities of Daily Living

[LE 6154]

FEBRUARY 2014

Sub. Code : 6154

FIRST YEAR BOT EXAM

Paper IV – BASIC OT AND THERAPEUTIC ACTIVITIES

Q.P. Code: 786154

Time: Three hours

Maximum : 100 marks

I. Elaborate on: (2x20 = 40)

1. Analyse the activity of hand embroidery in a seated position (Motor, sensory, cognitive, perceptual, emotional components)
2. Explain the objectives and media used in Occupational Therapy.

II. Write Notes on: (8x5 = 40)

1. Define Occupation, concept and consequences of occupational loss.
2. Scope of OT in the community
3. Professional conduct
4. Person environment of occupational performance.
5. Social components of analyzing an activity.
6. Components of Model of Human Occupation
7. Inter staff, patient staff relation ship.
8. Treatment objectives in children.

III. Short Answers on: (10x2 = 20)

1. W.F.O.T
2. Define Occupational Therapy
3. Define Impairment
4. Passive and active movements
5. Figure ground discrimination
6. Deformity
7. Goniometer
8. Palmar pocket
9. Instrumental activities of daily living
10. Define Model.

[LF 6154]

AUGUST 2014

Sub. Code : 6154

**FIRST YEAR BOT EXAM
PAPER IV – BASIC OT AND THERAPEUTIC ACTIVITIES**

Q.P. Code: 786154

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2x20 = 40)

1. Explain the Model of Human Occupation.
2. Describe the scope of O.T in a hospital and in the community

II. Write Notes on:

(8x5 = 40)

1. Analyse the psychological and general aspects of puppet making
2. General treatment objectives in psychiatry.
3. Aids for a wheelchair patient
4. Importance of group games as a therapeutic medium.
5. Role of a social worker in a rehabilitation team
6. Ethics relevant to O.T
7. Describe how to assess muscle tone
8. Analyse muscle movements for collage as an activity for a client who is seated.

III. Short Answers on:

(10x2 = 20)

1. Define Rehabilitation
2. Define occupational loss
3. Isotonic muscle contraction
4. Pre vocational evaluation
5. Active resistive movements
6. Stereognosis
7. Bilateral Integration
8. A.I.O.T.A
9. Hemiplegia
10. Define handicap

[LG 6154]

FEBRUARY 2015

Sub. Code : 6154

**FIRST YEAR BOT EXAMINATION
PAPER IV – BASIC OT AND THERAPEUTIC ACTIVITIES**

Q.P. Code: 786154

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the role of Occupational Therapy in Psychiatric Conditions.
2. Discuss the Scope of Occupational Therapy in Major Hospitals.

II. Write notes on:

(8 x 5 = 40)

1. Referral
2. Ethics and Etiquettes
3. Methods of Gradations
4. Psychosocial values of Collage
5. Media used in Occupational Therapy
6. Functions of AIOTA
7. Safety Precaution in Leather Work
8. Therapeutic values of Play

III. Short answers on:

(10 x 2 = 20)

1. Define Occupational Therapy
2. Functions of WFOT
3. Methods of Gradations
4. Define Activity
5. What is isometric muscle contraction?
6. What is isotonic muscle contraction?
7. Define Occupation
8. What are the types of Splinting?
9. What are the parts of Computer?
10. Role of Orthotist

[LH 6154]

AUGUST 2015

Sub. Code: 6154

B.O.T. DEGREE EXAMINATION

FIRST YEAR

PAPER IV – BASIC OT AND THERAPEUTIC ACTIVITIES

Q.P. Code: 786154

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Define occupational therapy. Discuss the scope of O.T in a major hospital set up.
2. What is community based rehabilitation (CBR)? Mention the purposes and advantages of CBR.

II. Write notes on:

(8 x 5 = 40)

1. Professional conduct.
2. Hand function.
3. Activities of daily living.
4. Media used in occupational therapy.
5. Manual muscle testing.
6. Montage.
7. Role of Speech Therapist.
8. Tools for Leather work.

III. Short Answers on:

(10 x 2 = 20)

1. Name the types of goniometer.
2. Group therapy.
3. End feel.
4. Blow painting.
5. Picnic for patient.
6. All India occupational therapist association.
7. Define rehabilitation.
8. What is hemiplegic?
9. What is flaccidity?
10. What is the purpose for documentation?

[LI 6154]

FEBRUARY 2016

Sub. Code: 6154

**FIRST YEAR BOT EXAMINATION
PAPER IV – BASIC OT AND THERAPEUTIC ACTIVITIES**

Q.P. Code: 786154

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Therapeutic Activity and explain what is Activity Analysis? How are activities graded and adapted?
2. Explain briefly the Psychiatric treatment objectives and media used for the intervention Program.

II. Write notes on:

(8 x 5 = 40)

1. Present development of Occupational Therapy in India.
2. Define Model of Human Occupation & its basic principles.
3. Therapeutic benefits of Leather work.
4. Organise a picnic for physically disabled children.
5. Types of movements.
6. Types of muscle contraction.
7. Computer modifications for disabled population.
8. Explain the scope of O.T in private practice.

III. Short answers on:

(10 x 2 = 20)

1. Storage of Leather.
2. Types of stitches used in tailoring.
3. Define Occupational Therapy.
4. Define Occupational loss & what are its consequences?
5. Define model, Frame of reference and approach.
6. Remedial goals for children with special needs.
7. Palmar pocket.
8. Goniometer.
9. Muscle power.
10. What is a splint?

[LH 6174]

AUGUST 2015

Sub. Code: 6174

FIRST YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code: 786174

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Analyse the functional ability & Hand function skills required to do the activity “Toileting”.
2. What is ADL? What are the various parameters & methods of ADL evaluation?

II. Write notes on:

(10 x 5 = 50)

1. Benefits of Isometric exercises.
2. Mention scope of Occupational Therapy in a paediatric hospital.
3. What are the principles of goniometry?
4. List out the Psychosocial skills to be analysed for an activity.
5. Name few adaptations in ADL that can be done for clients with in coordination.
6. What are the functions of an Occupational Therapist?
7. How is Occupation different from other types doing?
8. What are the performance components of an activity?
9. What are the therapeutic values of cooking?
10. List the components of Cognitive skill.

III. Short answers on:

(10 x 2 = 20)

1. What is “end feel” in joint range of motion assessment?
2. What are the temporal components of activity focussed analysis?
3. Write out 2 principles of therapeutic exercise.
4. Define ‘Poor’ voluntary control.
5. Define ‘grade 2’ muscle strength.
6. What is stereognosis?
7. What are active & active resistive movements?
8. Confidentiality.
9. List 4 therapeutic values of ‘Painting’.
10. Name the types of prehension.

[LI 6174]

FEBRUARY 2016

Sub. Code: 6174

FIRST YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code: 786174

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are the types of therapeutic movements and what are the principle of Therapeutic Exercises?
2. Discuss the scope of O.T in the community.

II. Write notes on:

(10 x 5 = 50)

1. The Therapeutic Relationship.
2. Types of Hand functions.
3. Regressive resistive exercise.
4. Types of muscle contractions.
5. Concept of Occupation in Occupational Therapy.
6. Cortical sensation.
7. Core values of O.T practice.
8. Analyse the pre requisite abilities required for writing.
9. Explain the Goals of Gardening as a therapeutic activity.
10. List five functions of A.I.O.T.A.

III. Short answers on:

(10 x 2 = 20)

1. What is muscle tone?
2. Explain one difference between muscle strength & voluntary control.
3. What is active and passive range of motion?
4. Define adaptation of activity.
5. Tool used to measure range of motion.
6. Define Grade 3 muscle strength.
7. Input devices of a computer.
8. What is W.F.O.T?
9. Who is the mother of Occupational Therapy and how did she spread OT?
10. Occupational Therapy started first in India in which place and hospital.

[LK 6174]

FEBRUARY 2017

Sub. Code: 6174

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code: 786174

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Explain the role of occupational therapy in Pediatric conditions.
2. Describe the occupational therapy code of Ethics.

II. Write notes on: **(8 x 5 = 40)**

1. Functions of All Indian Occupational Therapists Association.
2. Development of occupational therapy in Tamil Nadu.
3. Scope of occupational therapy in community.
4. Role of speech therapist in Rehabilitation Team.
5. Explain the arts and crafts movements in history of occupational therapy.
6. Principles of activity analysis.
7. What are the purposes of evaluating muscle strength?
8. Explain the concept of occupation and well being.

III. Short answers on: **(10 x 2 = 20)**

1. What is isotonic muscle contraction?
2. What is passive movement?
3. Define activity.
4. What is grading?
5. Define instrumental activities of daily living.
6. What is Orthosis?
7. What are the types of Goniometer?
8. What is activity synthesis?
9. Define occupation.
10. Write any two prehensile and non prehensile functions.

[LL 6174]

AUGUST 2017

Sub. Code: 6174

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code: 786174

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Describe how do you modify and adapt one outdoor activity and one indoor activity for a group of children with visual impairment?
2. Analyse the motor, cognitive, perceptual and psychosocial aspects of cooking activity.

II. Write notes on: **(8 x 5 = 40)**

1. Principles of splinting.
2. Rehabilitation team members.
3. Activities for cognitive impairment.
4. Types of therapeutic movements.
5. Parameters of ADL and IADL evaluation.
6. Co-ordination assessment.
7. Similarities and difference between occupation and activity analysis.
8. Activities for improving hand muscle weakness.

III. Short answers on: **(10 x 2 = 20)**

1. Define muscle tone.
2. Community mobility.
3. Right–Left discrimination.
4. Spatial operations.
5. Attention span.
6. Types of memory.
7. Concept formation.
8. Crossing the midline.
9. Leisure exploration.
10. Grasp.

[LM 6174]

FEBRUARY 2018

Sub. Code: 6174

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code: 786174

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Outline the meaning of “Occupation” in relation to treatment objectives for all ages.
2. Define Rehabilitation, describe the members of Rehabilitation team and their roles.

II. Write notes on: **(8 x 5 = 40)**

1. Activity analysis of collage.
2. Recreational activities.
3. Equipments in occupational therapy department.
4. Activities of daily living.
5. Therapeutic relationship.
6. Cognitive components.
7. Principles of therapeutic exercises.
8. Psychosocial skills.

III. Short answers on: **(10 x 2 = 20)**

1. Define occupational therapy.
2. All India occupational therapy association.
3. Abstract thinking.
4. Blow painting.
5. Name any four vocational activities.
6. Coordination.
7. Picnic for patients.
8. Types of gardening.
9. What is ethics?
10. Use of spray painting to improve range of motion of wrist extension.

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

[LN 6174]

AUGUST 2018

Sub. Code: 6174

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code: 786174

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Define Occupation. Discuss scope of Occupational Therapy in a Paediatrics specialty hospital.
2. Define muscle tone. Explain the physiology of normal muscle tone. Add notes on how do you assess muscle tone.

II. Write notes on: (8 x 5 = 40)

1. Hand Function Assessment.
2. Principles of Therapeutic exercises.
3. Content of ADL and IADL Evaluation.
4. Therapist – Patient relationship.
5. Adaptations of Activities for a hemiplegic patient in ADL performance.
6. Superficial and deep tendon Reflexes.
7. Recreational Activities.
8. Importance of Occupation in people life.

III. Short answers on: (10 x 2 = 20)

1. Socialization.
2. Postural control.
3. Body scheme.
4. Kinesthesia.
5. Functional Mobility.
6. Sensory awareness.
7. Bilateral integration.
8. Types of Orientation.
9. Coping skills.
10. Functional Communication.

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

[LO 6174]

FEBRUARY 2019

Sub. Code: 6174

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code: 786174

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Define Occupational Therapy. Discuss scope of occupational therapy in a 500 beds Multi specialty Hospital.
2. Describe the characteristics of activities used as treatment media.

II. Write notes on: (8 x 5 = 40)

1. Professional conduct.
2. Play activities.
3. Activities of daily living.
4. General maintenance of equipments in OT department.
5. Clay modeling – therapeutic value.
6. Principles of activity analysis.
7. Explain Gradation and Adaptation with suitable example.
8. Word Federation of occupational therapy.

III. Short answers on: (10 x 2 = 20)

1. Uses of shoulder wheel.
2. Examples of adaptive devices.
3. Eccentric Contraction.
4. Define Co-ordination.
5. Referrals.
6. Endurance.
7. Habituation.
8. Leather work tools.
9. Uses of counselling.
10. Records.

[LP 6174]

AUGUST 2019

Sub. Code: 6174

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code: 786174

Time: Three hours

Maximum : 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Elaborate the scope of occupational therapy in a Psychiatric setting.
2. What is Muscle Contraction? Elaborate the types of muscle contractions with illustrations.

II. Write notes on: **(8 x 5 = 40)**

1. Coordination.
2. Contextual constraints.
3. AIOTA.
4. Collage.
5. Leisure.
6. Cognition.
7. Characteristics of activities.
8. Roles and routines.

III. Short answers on: **(10 x 2 = 20)**

1. Proprioception.
2. Memory.
3. Prehensile functions.
4. Corner chair.
5. Universal cuff.
6. Stereognosis.
7. Paper beads.
8. Define occupational therapy.
9. Non maleficence.
10. Finger painting.

[LQ 6174]

FEBRUARY 2020

Sub. Code: 6174

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code: 786174

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Occupational Therapy. What is the role of occupational therapy in Psychiatric disorders?
2. Briefly discuss the role of different team members in the Rehabilitation process of a patient.

II. Write notes on:

(8 x 5 = 40)

1. Principles of muscle testing.
2. Therapeutic value of montage.
3. Explain Occupation in Occupational Therapy.
4. In-hand manipulation skills. Explain how to assess each skill?
5. Cortical sensation.
6. Five roles of AIOTA.
7. Therapeutic relation.
8. Types of therapeutic movements.

III. Short answers on:

(10 x 2 = 20)

1. Explain IADL. What are the components?
2. Proprioception.
3. 'End feel' in ROM.
4. Types of deep tendon reflexes.
5. Life skills.
6. Different types of Goniometer.
7. Grade four muscle strength.
8. Types of sensation.
9. Isotonic contraction.
10. Meaning of therapeutic use of self.

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

[LR 1220]

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

Sub. Code: 6174

**BOT DEGREE EXAMINATION
FIRST YEAR**

**(New regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY
Q.P. Code: 786174**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define activity. Enumerate various kinds of activities with illustrations.
2. What is picnic? Elaborate the therapeutic values of picnic with a detailed analysis.

II. Write notes on:

(8 x 5 = 40)

1. Assessment of muscle tone.
2. Medical record.
3. Functions of WFOT.
4. Therapeutic use of self.
5. Domestic activities.
6. Sensation.
7. Instrumental activities of daily living.
8. Core values of occupational therapy.

III. Short answers on:

(10 x 2 = 20)

1. Occupational adaptation.
2. Motivation.
3. Intrapersonal skills.
4. Muscle strength.
5. Figure ground perception.
6. Orientation.
7. Computer.
8. Clay modeling.
9. Dignity.
10. Competence.

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

[BOT 0321]

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

Sub. Code: 6174

**BOT DEGREE EXAMINATION
FIRST YEAR
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY
Q.P. Code : 786174**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the history and development of Occupational Therapy internationally.
2. Briefly outline the roles of the different team members in a Rehabilitation team.

II. Write notes on:

(8 x 5 = 40)

1. What is the difference and similarity between occupation and activity?
2. What are attitudes of OT practice.
3. Explain method of testing stereognosis.
4. Differentiate between voluntary control and muscle strength testing.
5. What are the components of fine prehension?
6. Analyse the vocational values of gardening.
7. Briefly analyse the activity “reading” for its therapeutic values.
8. Safety precautions to be followed for when doing muscle testing.

III. Short answers on:

(10 x 2 = 20)

1. What is instrumental ADL?
2. Define muscle tone.
3. What is isotonic contraction?
4. Outline 2 functions of AIOTA.
5. What is therapeutic relationship?
6. What is cortical sensation?
7. Define active assisted movement.
8. What is cylindrical grasp?
9. What is hypertonicity?
10. What is coordination?

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

[BOT 0921]

SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)

Sub. Code: 6174

BOT DEGREE EXAMINATION

FIRST YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)

PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY

Q.P. Code : 786174

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the development of Occupational Therapy in India. Explain the organization and functions of AIOTA.
2. Core values and attitudes of Occupational Therapy practice.

II. Write notes on:

(8 x 5 = 40)

1. Types of therapeutic movements.
2. ADL adaptation for decreased ROM.
3. Briefly write the scope of Occupational Therapy in paediatrics.
4. Perceptual functions.
5. Therapeutic qualities of Occupation.
6. Performance component of an activity.
7. Psychosocial skills to be analysed for an activities.
8. Principles of muscle testing.

III. Short answers on:

(10 x 2 = 20)

1. Roles.
2. Use of therapy ball.
3. Graphesthesia.
4. Active resistive movement.
5. Meaning of ethics.
6. Grading of sensation.
7. Rehabilitation team members.
8. Principles of activity analysis.
9. Hand function for upper half dressing.
10. List ADL evaluation tools.

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

[BOT 0122]

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

Sub. Code: 6174

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
FIRST YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER IV – BASIC PRINCIPLES OF OCCUPATIONAL THERAPY
*Q.P. Code : 786174***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Analyze the Occupation and activities for 45-year-old men to Gardening his house.
2. Describe the types and its components of Activities of Daily Living (ADL) and the method of evaluation of ADL.

II. Write notes on:

(8 x 5 = 40)

1. Principles of Therapeutic exercise.
2. Assessment of Muscle strength.
3. Roles of the different rehabilitation team members.
4. Development of Occupational Therapy in India.
5. Reflexes.
6. Analyze the performance components of making a phone call.
7. Therapeutic relationship.
8. Types of muscle contraction.

III. Short answers on:

(10 x 2 = 20)

1. IADL
2. Gradation
3. what is assistive device
4. Task analysis
5. Isotonic contaction
6. In-hand manipulation
7. Tripod grasp
8. Functional mobility
9. Leisure skill
10. Balance board

[LH 6172]

AUGUST 2015

Sub. Code : 6172

FIRST YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER II – ANATOMY

Q.P. Code: 786172

Time: Three hours

Maximum: 50 marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the formation, course, relations, branches of distribution & effects of injury of sciatic nerve.
2. Describe the hip joint under the following headings: a) Articular surfaces b) Ligaments c) Relations d) Muscles & movements e) Applied Anatomy.

II. Write notes on:

(8 x 5 = 40)

1. Pleura of Lung.
2. Femoral Artery.
3. Movements at Elbow joint.
4. Inguinal canal.
5. Blood supply of pancreas.
6. Femoral Nerve in femoral triangle.
7. Inter vertebral disc.
8. Pericardium.

III. Short answers on:

(10 x 2 = 20)

1. Enumerate the contents of spermatic cord.
2. Enumerate the bare areas of liver.
3. Name four tributaries of inferior vena cava.
4. Nerve supply of the lumbricals of the hand
5. Name the muscles supplied by the obturator nerve.
6. Erb's point.
7. Name the parts of the uterine tube.
8. Name the coverings of kidney.
9. Name the two most common positions of appendix
10. Name the structures piercing the clavipectoral fascia.

[LI 6172]

FEBRUARY 2016

Sub. Code : 6172

FIRST YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER II – ANATOMY

Q.P. Code: 786172

Time: Three hours

Maximum:100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the formation, course, relations, branches and distribution of radial nerve and effects of injury of radial nerve.
2. Describe the arches of foot in detail.

II. Write notes on:

(8 x 5 = 40)

1. Dorsal spaces in hand.
2. Branches of axillary artery in detail.
3. Histology of kidney.
4. Locking and unlocking of knee joint.
5. Femoral nerve.
6. Urinary bladder (Blood supply, nerve supply, Trigone and applied aspects).
7. Draw a neat diagram of coronal section of kidney with its coverings.
8. Obturator nerve.

III. Short answers on:

(10 x 2 = 20)

1. Root value and muscles supplied by axillary nerve.
2. Muscles attached to extensor expansion of hand.
3. Mention the areas drained by superficial inguinal lymph nodes.
4. Name the tributaries of portal vein.
5. Cruciate Anastomosis.
6. Name the bones that form first carpometacarpal joint.
7. Boundaries of Epiploic foramen.
8. Constituents of quadriceps femoris.
9. Root value, branches and applied anatomy of pudental nerve.
10. Name the boundaries of femoral ring.

[LK 6172]

FEBRUARY 2017

Sub. Code : 6172

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER II – ANATOMY
Q.P. Code: 786172

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain blood supply of brain in detail with suitable diagrams. Add a note on Circle of Willis.
2. Describe in detail the type, ligaments, relations, blood supply, nerve supply and movements of Knee Joint.

II. Write notes on:

(8 x 5 = 40)

1. Interior of right atrium.
2. Middle ear.
3. Coronary circulation.
4. Posterior compartment of leg.
5. Median nerve in forearm and hand.
6. Blood supply and relations of thyroid gland.
7. Bronchopulmonary segments of lung.
8. Intrinsic muscles of hand.

III. Short answers on:

(10 x 2 = 20)

1. What is the nerve supply of brachialis?
2. Name the thenar muscles.
3. Mention the branches of abdominal aorta.
4. Name the contents of rectus sheath.
5. Mention the structures entering and exiting the porta hepatis.
6. Write the hormones secreted by pancreas.
7. What is tendocalcaneus?
8. Give the boundaries of femoral triangle.
9. Name the para nasal air sinuses.
10. Name the structures passing through the carpal tunnel.

[LL 6172]

AUGUST 2017

Sub. Code : 6172

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER II – ANATOMY

Q.P. Code: 786172

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the root value, course and branches of Ulnar nerve. Add notes on effects of its injury.
2. Write in detail on the Arches of Foot. Elaborate on factors maintaining it and applied aspects.

II. Write notes on:

(8 x 5 = 40)

1. Abduction of shoulder.
2. Carpal tunnel.
3. Muscles of mastication.
4. Left coronary artery.
5. Common peroneal nerve.
6. Urinary bladder and urethral sphincters.
7. Extra cranial course and branches of facial nerve.
8. Hamstring muscles.

III. Short answers on:

(10 x 2 = 20)

1. Thoracic duct.
2. Bursae around knee joint.
3. Types of bones.
4. Ductus Deferens.
5. Coronary sinus.
6. Parts of Pancreas.
7. Lumbar Cistern.
8. Name the extra ocular muscles.
9. Chromosome.
10. Supra Renal gland.

[LM 6172]

FEBRUARY 2018

Sub. Code : 6172

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER II – ANATOMY

Q.P. Code: 786172

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe on the formation, course and distribution of Radial Nerve. Mention on its effects of injury.
2. Discuss in detail on articular surfaces, ligaments, movements and muscles causing movements of the Ankle joint. Add note on applied anatomy.

II. Write notes on:

(8 x 5 = 40)

1. Brachio-radialis.
2. Rotator cuff.
3. Valves of the heart.
4. Lumbricals of hand.
5. Bronchial tree.
6. Femoral nerve.
7. Cruciate ligaments.
8. Medulla oblongata.

III. Short answers on:

(10 x 2 = 20)

1. Name the muscles of mastication.
2. Radial artery.
3. Enumerate carpal bones.
4. Pelvic diaphragm.
5. Dorsiflexion.
6. Mention the hamstring muscles.
7. Types of fibrous joint.
8. Mention the parts of urinary tract.
9. Terminal branches of common peroneal nerve.
10. Layers of meninges.

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

[LN 6172]

AUGUST 2018

Sub. Code : 6172

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER II – ANATOMY

Q.P. Code: 786172

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe Knee joint structure with diagrams. Add notes on locking and unlocking mechanism.
2. Detail on muscles of Respiration. Mention on its blood supply and applied anatomy.

II. Write notes on:

(8 x 5 = 40)

1. Cranial Meninges.
2. Infra hyoid muscles.
3. Scapular movements & muscles responsible.
4. Deep branch of Ulnar nerve.
5. Cubital fossa.
6. Liver.
7. Hip extensors.
8. Pons.

III. Short answers on:

(10 x 2 = 20)

1. Name supports of Uterus.
2. Posterior Pituitary gland.
3. Movements of Atlas.
4. Common Iliac artery.
5. Mediastinum subdivisions.
6. Elbow Extensors.
7. Scaphoid.
8. Basilic vein.
9. Dorsiflexors.
10. Ape thumb deformity.

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER II – ANATOMY

Q.P. Code: 786172

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Describe the Shoulder joint with regard to articular surfaces, supports, movements and muscles responsible. Add note on most common applied aspects.
2. Mention Spinal cord internal features with diagram. Explain formation of spinal nerve and its rami.

II. Write notes on: **(8 x 5 = 40)**

1. Extensors of Knee.
2. Tibial nerve.
3. Internal structure of Kidney.
4. Pelvic diaphragm.
5. Thoracic aorta.
6. Coronary sinus and tributaries.
7. Supination.
8. Median nerve supply in hand.

III. Short answers on: **(10 x 2 = 20)**

1. Rhomboid fossa.
2. Internal Jugular Vein.
3. Blood supply of Thyroid gland.
4. Oesophagus constrictions.
5. Mention Thyroid cartilages.
6. Ansa cervicalis.
7. Axillary nerve branches.
8. Enumerate Hypothenar muscles.
9. Adductor canal contents.
10. Name 2nd layer Sole muscles.

[LP 6172]

AUGUST 2019

Sub. Code : 6172

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER II – ANATOMY

Q.P. Code: 786172

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Describe in detail the type, ligaments, relations, blood supply, nerve supply, movements and applied anatomy of Elbow Joint.
2. Describe in detail about anatomy of Ear.

II. Write notes on: (8 x 5 = 40)

1. Muscles of mastication.
2. Bronchopulmonary segments of lung.
3. Extracranial course of facial nerve.
4. Popliteal fossa.
5. Abdominal aorta.
6. Boundaries and contents of Carotid triangle.
7. Thoracic duct.
8. Palmar aponeurosis.

III. Short answers on: (10 x 2 = 20)

1. Name the layers of eye ball.
2. Name the sinus of pericardium.
3. Name the types of ossification.
4. Lumbar puncture.
5. Name the nuclei of cerebellum.
6. Define muscle tone.
7. Name the salivary glands.
8. Name the ventricle's of brain.
9. Write the contents of femoral triangle.
10. Name the divisions of trigeminal nerve.

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER II – ANATOMY

Q.P. Code: 786172

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Describe the formation, course, relations, branches and the effects of injury of Sciatic nerve.
2. Describe the boundaries and contents of the posterior triangle of the Neck.

II. Write notes on: (8 x 5 = 40)

1. Draw a neat labeled diagram depicting the formation and branches of Brachial plexus.
2. Medial longitudinal arch.
3. Circle of Willis.
4. Abduction of shoulder joint.
5. Abdominal aorta.
6. Diaphragm.
7. Nerve supply of tongue.
8. Right atrium.

III. Short answers on: (10 x 2 = 20)

1. Eversion of foot.
2. Enumerate the structures superficial to flexor retinaculum.
3. Anatomical snuff box.
4. Name the sinuses drains into the middle meatus of Nasal cavity.
5. Anterior relations of the right kidney.
6. Claw hand deformity.
7. Classify joints and give an example for each.
8. Bronchopulmonary segments of right lung.
9. What are the commissural fibres? Give two examples.
10. Sternocleidomastoid muscle.

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

[LR 1220]

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

Sub. Code: 6172

**BOT DEGREE EXAMINATION
FIRST YEAR
(New regulations for the candidates admitted from 2014-2015 onwards)
PAPER II – ANATOMY
Q.P. Code: 786172**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe Brachial plexus formation & branches and mention on applied injuries.
2. Elaborate on Ankle joint with respect to articular surfaces, supports & movements. Add note on common applied aspects.

II. Write notes on:

(8 x 5 = 40)

1. Atlanto-occipital joint movement & muscles.
2. Medial surface of Cerebral gyri & blood supply.
3. Thyroid gland.
4. Vth Cranial nerve branches & distribution.
5. Rotator cuff muscles.
6. Interossei of Hand.
7. Screw home movements of Knee.
8. Rectus sheath & contents.

III. Short answers on:

(10 x 2 = 20)

1. Name 3rd layer of Sole muscles.
2. Axillary Lymph nodes.
3. Bell's palsy.
4. Anastomosis.
5. Ciliary body.
6. Portal vein.
7. Left Coronary artery branches.
8. Hilum of Rt. Lung.
9. Enumerate carpal bones.
10. Ilio-Tibial Tract.

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

[BOT 0321]

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

Sub. Code: 6172

**BOT DEGREE EXAMINATION
FIRST YEAR (FOR 2019-2020 REGISTERED CANDIDATES)
PAPER II – ANATOMY
*Q.P. Code: 786172***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the shoulder joint the under following headings.
a) type/variety b) articular surface c) ligaments d) blood supply e) nerve supply
f) movements and muscle responsible g) clinical anatomy.
2. Write in detail about femoral nerve formation, course, branches and effect of its injury.

II. Write notes on:

(8 x 5 = 40)

1. Describe the various type of cartilaginous joint.
2. Serratus anterior muscle.
3. Layers of eyeball and its function.
4. Supination and pronation of forearm.
5. Basal nuclei and their function.
6. Muscles of tongue.
7. Blood supply to heart.
8. Menisci of knee joint.

III. Short answers on:

(10 x 2 = 20)

1. Sternal angle and it is clinical significance.
2. Cerebrospinal fluid circulation.
3. Draw diagram of anterior relations of right kidney.
4. Define Spermatogenesis.
5. Ape thumb deformity.
6. Nasopharynx.
7. Name any two Sesamoid bones and its function.
8. Coronary sinus.
9. Function of auditory tube.
10. Angina pectoralis.

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

[BOT 0921]

SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)

Sub. Code: 6172

BOT DEGREE EXAMINATION
FIRST YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER II – ANATOMY
Q.P. Code : 786172

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the Heart under the following headings position, coverings, external and internal features, blood supply of the heart and nerve supply. Add a note on its applied anatomy.
2. Describe the formation, course, relations, branches of distribution and effects of injury of Median nerve.

II. Write notes on:

(8 x 5 = 40)

1. Oesophagus.
2. Erb's palsy.
3. Elbow joint.
4. Bronchopulmonary segments.
5. Ureter.
6. Meninges.
7. Types of synovial joint.
8. Deltoid.

III. Short answers on:

(10 x 2 = 20)

1. Supination.
2. Foot drop.
3. Name the muscles of the eye ball.
4. What are the branches of the arch of aorta?
5. Parts of pituitary gland.
6. Types of tissues.
7. Types of arteries.
8. Bell's palsy.
9. Parts of the penis.
10. Parts of the female external genitalia.

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

[BOT 0122]

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

Sub. Code: 6172

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
FIRST YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER II – ANATOMY
Q.P. Code : 786172**

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about brachial plexus position, formation, branches and distribution and add note on Applied Anatomy.
2. Describe the type, articular surfaces, ligaments, movements, muscles responsible for movements of knee joint and note on applied anatomy.

II. Write notes on:

(8 x 5 = 40)

1. Functional areas of brain.
2. Sternocleidomastoid.
3. Muscles of mastication.
4. Extraocular muscles of eye ball.
5. Great saphenous vein.
6. Popliteal artery.
7. Common peroneal nerve.
8. Surface and borders of lungs.

III. Short answers on:

(10 x 2 = 20)

1. Name the lobes of cerebrum.
2. Erbs point.
3. Name the terminal branches of facial nerve.
4. Name the layers of Pleura.
5. Movements of temporomandibular joint.
6. Name the branches of celiac artery.
7. Bursa around the knee joint.
8. Name the branches of posterior cord of brachial Plexus.
9. Name the structures present in the root of right lung.
10. Mention the nucleus of cerebellum.

February 2012

[LA 6252]

Sub. Code: 6252

BACHELOR OF OCCUPATIONAL THERAPY EXAMINATION

FIRST YEAR

(Common to BOT and BPT Examinations)

Paper II - ANATOMY

Q.P. Code : 786252

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. Elaborate on:

(2X20=40)

1. Describe in detail about shoulder joint under the following headings :
 - a) Type of joint, b) Articulating bones, ligaments c) Relations d) Movements
 - e) Nerve supply f) Applied anatomy.
2. Describe in detail about Sciatic nerve. Add a note on its applied anatomy.

II. Write notes on:

(8X5=40)

1. Inversion and Eversion of Foot.
2. Intercostal space and its contents.
3. Sternocleido mastoid muscle.
4. Popliteal Fossa.
5. Pleura of Lung.
6. Femoral Artery.
7. Movements at Elbow joint.
8. Inguinal canal.

III. Short Answers:

(10X2=20)

1. Name any four branches of External carotid Artery.
2. Name the flexors of Knee joint.
3. Name the Pelvic Bones.
4. Name the Extra ocular Muscles.
5. Name any four ligaments of Knee joint.
6. Name the contents of vertebral canal.
7. Name the parts of Brain.
8. Name the structures supplied by median nerve.
9. Name the structures passing through stylomastoid foramen.
10. Name the Intrinsic muscles of Hand.

[LB 6252]

AUGUST 2012
FIRST YEAR BPT EXAM
(Common to BPT and BOT Examinations)
Paper II - ANATOMY
Q.P. Code : 746252

Sub. Code : 6252

Time : Three hours
(180 Min)

Answer ALL questions in the same order.

Maximum : 100 marks

I. Elaborate on:

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|---|----|----|----|
| 1. Describe in detail about Knee joint under the following headings. a)Type of Joint b)Articulating bones, ligaments c)Relations d)Movements e)Applied Anatomy. | 19 | 33 | 20 |
| 2. Describe in detail about Radial Nerve including its Applied Anatomy. | 19 | 33 | 20 |

II. Write notes on:

- | | | | |
|------------------------------|---|---|---|
| 1. Lower end of Humerus. | 3 | 8 | 5 |
| 2. Foot Drop. | 3 | 8 | 5 |
| 3. Atlanto Axial Joint. | 3 | 8 | 5 |
| 4. Supination and Pronation. | 3 | 8 | 5 |
| 5. Gluteus Maximus Muscle. | 3 | 8 | 5 |
| 6. Rectus Sheath. | 3 | 8 | 5 |
| 7. Circle of Willis. | 3 | 8 | 5 |
| 8. Cubital Fossa. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|---|---|---|---|
| 1. Name any four branches of Brachial Artery. | 1 | 5 | 2 |
| 2. Name the bones forming Wrist Joint. | 1 | 5 | 2 |
| 3. Name the Invertors of Foot. | 1 | 5 | 2 |
| 4. How Rotator cuff of Shoulder Joint is formed? | 1 | 5 | 2 |
| 5. Name the structures opening into Right Atrium of Heart. | 1 | 5 | 2 |
| 6. Classify the Joints. | 1 | 5 | 2 |
| 7. Name the muscles of mastication. | 1 | 5 | 2 |
| 8. Name the structures passing through foramen magnum. | 1 | 5 | 2 |
| 9. Name the structures related to spiral groove of Humerus. | 1 | 5 | 2 |
| 10. Name the Ear ossicles. | 1 | 5 | 2 |

[LC 6252]

FEBRUARY 2013
FIRST YEAR BOT EXAM
(Common to BOT and BPT Exam)
Paper II - ANATOMY
Q.P. Code : 786252

Sub. Code: 6252

Time : Three hours
(180 Min)

Maximum : 100 marks

I. Elaborate on: **(2X20=40)**

1. Explain the Anatomy of Ear.
2. Explain in detail about Rt.Lung.[Coverings, External features, impressions. Blood supply & Broncho pulmonary segments].

II. Write Notes on: **(8X5=40)**

1. Sternum.
2. Rotator cuff of shoulder joint.
3. Cruciate ligaments of Knee.
4. Radial Nerve.
5. Great Saphenous Vein.
6. Spinal Cord.
7. Inter costal Muscles.
8. Male Urethra.

III.Short Answers: **(10X2=20)**

1. Nerve supply of Urinary Bladder.
2. Name the Muscles of Pelvic floor.
3. Organ of corti.
4. Branches of posterior cord of Brachial plexus.
5. Brain stem.
6. Foramen Magnum.
7. Coronary Sinus.
8. Conducting system of heart.
9. Nerves of Lumbar plexus.
10. Carpal Bones.

[LD 6252]

AUGUST 2013
FIRST YEAR BOT EXAM
(Common to BOT and BPT Exam)
Paper II – ANATOMY
Q.P. Code: 786252

Sub. Code : 6252

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about hip joint under the following headings a) Type of Joint b) Articulating bones c) Ligaments d) Movements e) Relations f) Blood supply and nerve supply. Add a note on its applied anatomy.
2. Describe in detail about Ulnar nerve under the following headings a)Root value b) Course c) Branches d) Muscles supplied by it. e) Applied anatomy

II. Write notes on:

(8 x 5 = 40)

1. Lower end of Humerus
2. Screw home movement
3. Radial nerve
4. Femoral Artery
5. Muscles of Respiration
6. Styloid process
7. Blood supply of Brain
8. Extraocular muscles

III. Short Answers:

(10 x 2 = 20)

1. Contents of cubital fossa
2. Winging of Scapula
3. Name the branches arising from Arch of Aorta
4. Name the contents in Rectus sheath
5. Name the Invertors and Evertors of foot
6. Hilar structures of lung
7. Name the muscles of mastication
8. Contents of Carotid triangle
9. Name the Ventricles of Brain
10. Name the Flexors of Arm

[LE 6252]

FEBRUARY 2014
FIRST YEAR BOT EXAM
(Common to BOT and BPT Exam)
Paper II – ANATOMY
Q.P. Code: 786252

Sub. Code : 6252

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about shoulder joint- Type, Articulating surfaces, Relations, Rotator cuff, Ligaments, movements, Muscles producing those movements & its applied anatomy.
2. Explain diaphragm under the following subdivisions i) Origin ii) Insertion iii) Blood supply iv) Nerve supply v) Action vi) Orifices present vii) Structures passing through it viii) Applied anatomy.

II. Write notes on:

(8 x 5 = 40)

1. Define supination & pronation, its mechanism of action & muscles producing it.
2. Cubital Fossa
3. Lateral compartment of leg
4. Sciatic nerve
5. Sternocleidomastoid
6. Internal jugular vein
7. Rectus sheath
8. Circle of willis

III. Short Answers:

(10 x 2 = 20)

1. Define sesamoid bone with two examples
2. Constrictions of ureter
3. Openings in right atrium
4. Branches of brachial artery
5. Saturday night palsy
6. Trendelenburg's sign
7. Any two features of atypical intercostal nerve
8. Structures passing through stylomastoid foramen
9. Frowning muscles
10. Achilles tendon

[LF 6252]

AUGUST 2014

Sub. Code : 6252

**FIRST YEAR BOT EXAM
PAPER II – ANATOMY**

Q.P. Code: 786252

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail about the Facial nerve.
2. Describe in detail about the shoulder joint.

II. Write notes on:

(8 x 5 = 40)

1. Wrist drop
2. Popliteal Fossa
3. Spleen
4. Levator ani
5. Inversion and Eversion
6. Movements of Thoracic cage
7. Right atrium
8. Broncho pulmonary segments of left lung

III. Short Answers:

(10 x 2 =20)

1. Name the branches of Axillary artery
2. Give formation of great saphenous Vein
3. Name the structures opening into second part of duodenum
4. Name the contents of middle mediastinum
5. Name the structures opening into the middle meatus of nose
6. Name the structures forming the medial longitudinal arch
7. Name the types of sulci in cerebrum
8. Name the major openings and the structures passing through the diaphragm
9. Erbs point
10. Name the branches of coeliac trunk

[LG 6252]

FEBRUARY 2015

Sub. Code : 6252

**FIRST YEAR BOT EXAMINATION
(Common to BOT and BPT Exam)
PAPER II – ANATOMY**

Q.P. Code: 786252

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about knee joint under the following headings:
a) Type of Joint b) Articulating bones c) Ligaments d) Movements e) Relations
f) Blood supply and nerve supply. Add a note on its applied anatomy.
2. Describe in detail about Radial nerve under the following headings: a) Root value
b) Course c) Branches d) Muscles supplied by it. e) Applied anatomy.

II. Write notes on:

(8 x 5 = 40)

1. Atlanto axial joint
2. Scapular movements
3. Intercostal space
4. Radial Artery
5. Visceral surface of Liver
6. Gluteal Surface of Ilium
7. Blood supply of Heart
8. Inversion and Eversion

III. Short answers on:

(10 x 2 =20)

1. Contents of Digastric triangle
2. Abductors of Shoulder joint
3. Name the branches arising from Abdominal Aorta
4. Name the muscles of tongue
5. Name the Hamstring muscles and its action
6. What is Bell's palsy?
7. Name the muscles of mastication
8. Contents of Rectus sheath
9. Name the parts of Brainstem
10. Name the extraocular muscles

[LH 6252]

AUGUST 2015

Sub. Code: 6252

B.P.T. DEGREE EXAMINATION

FIRST YEAR

(Common to BOT and BPT Exam)

PAPER II – ANATOMY

Q.P. Code: 786252

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about hip joint under the following headings:
 - a) Type of Joint
 - b) Articulating bones
 - c) Ligaments
 - d) Movements
 - e) Relations
 - f) Blood supply and nerve supply. Add a note on its applied anatomy.
2. Describe in detail about Ulnar nerve under the following headings:
 - a) Root value
 - b) Course
 - c) Branches
 - d) Muscles supplied by it.
 - e) Applied anatomy.

II. Write notes on:

(8 x 5 = 40)

1. Ischial tuberosity.
2. Screw home movement.
3. Intercostal space.
4. Features of Typical thoracic vertebra.
5. Muscles of Anterior Abdominal wall.
6. Gluteus Maximus.
7. Blood supply of Spinal cord.
8. Temporomandibular joint.

III. Short Answers on:

(10 x 2 = 20)

1. Contents of Popliteal fossa.
2. Winging of Scapula.
3. Name the branches arising from Brachial artery.
4. Name the contents in Rectus sheath.
5. Name the muscles of respiration.
6. Hilar structures of Kidney.
7. Name the muscles which produce Dorsiflexion of Ankle joint.
8. Contents of Carotid triangle.
9. Name the Ventricles of Brain.
10. Name the Flexors of forearm.

[LI 6252]

FEBRUARY 2016

Sub. Code : 6252

**FIRST YEAR BOT EXAMINATION
(Common to BOT and BPT Exam)
PAPER II – ANATOMY**

Q.P. Code: 786252

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about Shoulder Joint under the following headings:-
 - 1) Type of joint
 - 2) Articulating bones
 - 3) Ligaments
 - 4) Movements
 - 5) Muscles producing those movements
 - 6) Its applied aspects.
2. Write in detail about the external features of Heart, its blood supply, nerve supply and its applied aspects.

II. Write notes on:

(8 x 5 = 40)

1. Sternomastoid.
2. Adductor canal.
3. Vertebral artery.
4. Wrist joint.
5. Posterior division of Obturator nerve.
6. Quadrangular space.
7. Clavicle.
8. Dermatome of upper limb.

III. Short answers on:

(10 x 2 =20)

1. Erb's paralysis.
2. Facial vein – formation and termination.
3. Arterial segments of kidney.
4. Types of Epiphysis.
5. Lumbar petits triangle.
6. Tarsal tunnel syndrome.
7. Trendelenberg's sign.
8. Structures passing through internal auditory meatus.
9. Sternal angle.
10. Contents of lower triangular space.

[LJ 6252]

AUGUST 2016

Sub. Code : 6252

**FIRST YEAR BOT EXAMINATION
(Common to BOT and BPT Exam)
PAPER II – ANATOMY**

Q.P. Code: 786252

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail about the arches of Foot.
2. Describe in detail about the functional areas of Brain.

II. Write notes on:

(8 x 5 = 40)

1. Circle of willis
2. Pharynx
3. Muscles of tongue
4. Thyroid cartilage
5. External features of medulla oblongata
6. Piriformis muscle
7. Pelvic diaphragm
8. Duputren's contracture

III. Short answers on:

(10 x 2 = 20)

1. Formation and termination of short saphenous vein.
2. Cutaneous nerve supply of dorsum of foot.
3. IInd lumbrical.
4. Palmar aponeurosis.
5. Branches of facial nerve in face.
6. Name the ossicles of ear and mention the joints in between them.
7. Paracentral lobule.
8. Boundaries of inter peduncular fossa.
9. Name the intrinsic muscles of larynx.
10. Maxillary sinus.

[LH 6171]

AUGUST 2015

Sub. Code : 6171

FIRST YEAR BOT EXAMINATION

(New Regulations for the candidates admitted from 2014-2015 onwards)

PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786171

Time: Three hours

Maximum: 50 marks

Section A and B must be answered in SEPARATE Answer Book

Draw suitable diagrams wherever necessary.

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define ego? Describe in detail various types of defense mechanisms.

II. Write notes on: (4 x 5 = 20)

1. Gestalt psychology.
2. Primary motives.
3. Concept of Id, ego and super ego.
4. Principles of classical conditioning.

III. Short answers on: (5 x 2 = 10)

1. Problem solving thinking.
2. List out the factors affecting attention.
3. Define attitude.
4. List any 4 intelligent tests.
5. Grandiose delusion.

**SECTION-B
(SOCIOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define Sociology and critically explain the role of sociology in the field of Occupational therapy.

II. Write notes on: (4 x 5 = 20)

1. Socialisation in hospital.
2. What is social consciousness and perception of illness
3. Family and psychosomatic disease.
4. What are the welfare measures provided to challenged citizens?

III. Short answers on: (5 x 2 = 10)

1. Primary group.
2. Malnutrition.
3. Types of poverty.
4. Define rehabilitation.
5. Juvenile Delinquency.

[LI 6171]

FEBRUARY 2016

Sub. Code: 6171

FIRST YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786171

Time: Three hours

Maximum: 50 Marks

Section A and B must be answered in SEPARATE Answer Book

Draw suitable diagrams wherever necessary.

SECTION – A
(GENERAL PSYCHOLOGY)

I. Elaborate on:

(1 x 20 = 20)

1. Define Psychology. Explain in detail the methods of Psychology.

II. Write notes on:

(4 x 5 = 20)

1. Nature Vs. Nurture controversy.
2. Physiological and psychological changes during puberty.
3. Steps in creative thinking.
4. Projective techniques.

III. Short answers on:

(5 x 2 = 10)

1. List any 5 ego defense mechanisms.
2. List the types of hallucination.
3. Sources of frustration.
4. List the laws of learning.
5. Define stress.

SECTION-B
(SOCIOLOGY)

I. Elaborate on:

(1 x 20 = 20)

1. Explain the role of primary and secondary groups in hospital and Rehabilitation settings?

II. Write notes on:

(4 x 5 = 20)

1. Functions of family.
2. Alcoholism.
3. Features of modern caste system.
4. Importance of sociology in the field of occupational therapy.

III. Short answers on:

(5 x 2 = 10)

1. Define culture.
2. Methods of social control.
3. Socialisation.
4. What is social security?
5. Any four roles of Medical Social Worker.

[LK 6171]

FEBRUARY 2017

Sub. Code : 6171

FIRST YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786171

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book

Draw suitable diagrams wherever necessary.

SECTION – A
(PSYCHOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Define perception? Explain in detail the principles of perception.

II. Write notes on: (4 x 5 = 20)

1. Branches of psychology.
2. Intelligence tests.
3. Secondary motives.
4. Any five defense mechanisms.

III. Short answers on: (5 x 2 = 10)

1. Types of delusion.
2. Types of conflicts.
3. List the factors affecting personality.
4. Difference between fear and anxiety.
5. Define attention.

SECTION-B
(SOCIOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Sickness and disabilities are the result of existing social problems – explain.

II. Write notes on: (4 x 5 = 20)

1. Social factors affecting health status.
2. Social change and deviance.
3. Effects of sickness on family.
4. Explain the role of social planning in health.

III. Short answers on: (5 x 2 = 10)

1. What is informal social control?
2. Agencies of socialization.
3. Name any four problems of women in employment.
4. Name any four cultural beliefs of health.
5. Cultural trait.

[LL 6171]

AUGUST 2017

Sub. Code : 6171

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)

FIRST YEAR
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786171

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

SECTION – A
(PSYCHOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Operant conditioning.

II. Write notes on: (4 x 5 = 20)

1. Projective technique.
2. Primary motive.
3. Types of conflict.
4. Principles of grouping of perceptual organization.

III. Short answers on: (5 x 2 = 10)

1. Who established the first psychological lab? Where? When?
2. Role of RAS.
3. How to find IQ of a person?
4. Chromosomal abnormalities.
5. Attitudes.

SECTION-B
(SOCIOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Define Sociology. Explain the uses of Sociology and its application in Occupational Therapy.

II. Write notes on: (4 x 5 = 20)

1. Agencies of socialisation.
2. Social security.
3. Rural community.
4. Human adoption and social change.

III. Short answers on: (5 x 2 = 10)

1. Father of sociology.
2. Meaning illness.
3. Formal groups.
4. Meaning of poverty.
5. Endogamy.

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786171

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

SECTION – A
(PSYCHOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Explain relative importance of heredity and environment and their role in relation to physical characteristics, intelligence and personality.

II. Write notes on: (4 x 5 = 20)

1. Response and reinforcement.
2. WAIS.
3. Incidental vs intentional learning.
4. Problem solving.

III. Short answers on: (5 x 2 = 10)

1. Reaction formation.
2. Adulthood.
3. Industrial psychology.
4. Rationalization.
5. Attitude.

SECTION-B
(SOCIOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Define social group and explain with cooly's. Classification of primary and secondary groups.

II. Write notes on: (4 x 5 = 20)

1. Sociology is a science-explain.
2. Value socialization.
3. Social factors eroding health status.
4. Describe Castism divides India.

III. Short answers on: (5 x 2 = 10)

1. The name sociology derived from.
2. Write atleast one agency of socialization.
3. Meaning of poverty.
4. Who can be a medical social worker?
5. An effect of arrival of Arians in India.

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)

FIRST YEAR
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786171

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

SECTION – A
(PSYCHOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Explain the development of behaviour with reference to heredity and environment.

II. Write notes on: (4 x 5 = 20)

1. Principles of grouping.
2. Effective ways to learn.
3. Changes of emotion.
4. Maslow's view point if motivation.

III. Short answers on: (5 x 2 = 10)

1. List the senses.
2. Any four sources of frustration.
3. Define persuasion.
4. IQ ratio.
5. Any four difference between classical and operant conditioning.

SECTION-B
(SOCIOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Define Community. Explain the role of Urban community and rural community in public health.

II. Write notes on: (4 x 5 = 20)

1. Sociology as a science of society.
2. Formal means of social control.
3. Juvenile delinquency.
4. Modern trends of caste system in India.

III. Short answers on: (5 x 2 = 10)

1. Who said "Man is a social animal"?
2. Who elaborated the idea of Cultural lag?
3. Who is the father of sociology?
4. Who is the father of communism?
5. Who said "Society is a web of social relationship"?

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)

FIRST YEAR
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786171

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

SECTION – A
(PSYCHOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Explain Thorndike's trial and error learning and laws of learning.

II. Write notes on: (4 x 5 = 20)

1. Abnormal psychology.
2. Conflicts.
3. Study habits.
4. Heredity and environment.

III. Short answers on: (5 x 2 = 10)

1. Expand WISC AND RPM.
2. Childhood.
3. Illusion.
4. Define incentive.
5. Define thinking.

SECTION-B
(SOCIOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Define social factors affecting health status.

II. Write notes on: (4 x 5 = 20)

1. Bring out the scope of sociology.
2. Unemployment.
3. Social change and stress.
4. Culture induced symptoms and disease.

III. Short answers on: (5 x 2 = 10)

1. Polygyny.
2. Contra culture.
3. "Casta".
4. Any two home remedies.
5. Primary group.

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)

FIRST YEAR
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786171

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

SECTION – A
(PSYCHOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Define personality. Describe the Erikson's developmental stage.

II. Write notes on: (4 x 5 = 20)

1. Source of frustration.
2. Concept of Id, ego and super ego.
3. Infancy.
4. Principals of perception.

III. Short answers on: (5 x 2 = 10)

1. Four concepts of learning.
2. Name five psychosexual stages.
3. Difference between fear and anxiety.
4. Define psychology.
5. Grandiose delusion.

SECTION-B
(SOCIOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Describe health status of India referring with social problem.

II. Write notes on: (4 x 5 = 20)

1. Looking glass self.
2. Process of socialization.
3. Influence of family for population growth.
4. Explain social security.

III. Short answers on: (5 x 2 = 10)

1. Social control.
2. Health.
3. Culture.
4. Ill-health.
5. Polygamous.

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)d
FIRST YEAR
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786171

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

SECTION – A
(PSYCHOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Schools of Psychology.

II. Write notes on: (4 x 5 = 20)

1. Steps of creative thinking.
2. External factors of attention.
3. Projective tests.
4. Piaget's stages of cognitive development.

III. Short answers on: (5 x 2 = 10)

1. Motivation.
2. Attention.
3. Attachment.
4. Wechsler memory scale.
5. Classical conditioning.

SECTION-B
(SOCIOLOGY)

I. Elaborate on: (1 x 20 = 20)

1. Define socialization. Explain the stages and agents of socialization.

II. Write notes on: (4 x 5 = 20)

1. Write any five home remedies in treatment.
2. Write the common consequences of social problems existing in daily life.
3. Psychosomatic disease.
4. Institutions of health.

III. Short answers on: (5 x 2 = 10)

1. Non-materialistic culture.
2. Secondary group.
3. Sociology as a science of society.
4. List down the informal means of social control.
5. Alcoholism.

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

[LR 1220]

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

Sub. Code: 6171

**BOT DEGREE EXAMINATION
FIRST YEAR**

**(New regulations for the candidates admitted from 2014-2015 onwards)
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY (SEC A & SEC B)
Q.P. Code: 786171**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book

Draw suitable diagrams wherever necessary.

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on:

(1 x 20 = 20)

1. Psychosocial theory of Erickson.

II. Write notes on:

(4 x 5 = 20)

1. Maslow's theory of self actualization.
2. Experimental method of study in psychology.
3. Operant conditioning.
4. 4 principles of perception.

III. Short answers on:

(5 x 2 = 10)

1. Thinking.
2. Frustration.
3. Operations as defined by piaget.
4. Intelligence.
5. Psychology.

**SECTION-B
(SOCIOLOGY)**

I. Elaborate on:

(1 x 20 = 20)

1. What is culture? Explain the culture induced disease and write the preventive measures to control the cultural induced disease.

II. Write notes on:

(4 x 5 = 20)

1. Features of Caste system.
2. Factors influencing social change.
3. How the personality of human is influenced by family?
4. Role of community in determining health believes.

III. Short answers on:

(5 x 2 = 10)

1. Social consciousness.
2. Types of poverty.
3. Folkways.
4. How Social Work if differ from Sociology?
5. Name the disabilities comes under National Trust Act.

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

[BOT 0321]

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

Sub. Code: 6171

**BOT DEGREE EXAMINATION
FIRST YEAR (From 2019-2020 onwards)
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY (SEC A & SEC B)
Q.P. Code: 786171**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

**Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.**

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on:

(1 x 20 = 20)

1. Methods and branches of Psychology.

II. Write notes on:

(4 x 5 = 20)

1. Nature – nurture controversy.
2. Basic information about primary needs.
3. Physiological changes of emotions.
4. Methods to improve memory.

III. Short answers on:

(5 x 2 = 10)

1. Perception.
2. Leadership.
3. Intelligence Quotient (IQ).
4. Middle age.
5. Creativity.

**SECTION-B
(SOCIOLOGY)**

I. Elaborate on:

(1 x 20 = 20)

1. Discuss the functions and types of family in India. Is joint family desirable today?

II. Write notes on:

(4 x 5 = 20)

1. Stages of Socialization.
2. Classification of Social groups.
3. Origin of Caste System.
4. Causes of unemployment.

III. Short answers on:

(5 x 2 = 10)

1. Types of social control.
2. Any four home remedies.
3. Attitude towards treatment.
4. Cultural lag.
5. Problems of women in employment.

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

[BOT 0921]

SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)

Sub. Code: 6171

BOT DEGREE EXAMINATION

FIRST YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)

PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY (SEC A & SEC B)

Q.P. Code: 786171

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book

Draw suitable diagrams wherever necessary.

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on:

(1 x 20 = 20)

1. How is personality shaped according to psychoanalytic theory?

II. Write notes on:

(4 x 5 = 20)

1. Qualities of leadership.
2. Matone Defense mechanism.
3. Types of conflict.
4. Pituitary gland.

III. Short answers on:

(5 x 2 = 10)

1. Name the schools of psychology.
2. Adolescence.
3. Chromosomal abnormalities.
4. Perceptual disorder.
5. Steps in creative thinking.

**SECTION-B
(SOCIOLOGY)**

I. Elaborate on:

(1 x 20 = 20)

1. Discuss the meaning of Social change and explain the factors of Social change. Evaluate the role of social planning in the improvement of health and in Rehabilitation.

II. Write notes on:

(4 x 5 = 20)

1. Application of knowledge of sociology in occupational therapy.
2. Role of rural and urban communities in public health.
3. Social control.
4. Role of social worker in disability Rehabilitation.

III. Short answers on:

(5 x 2 = 10)

1. Institution of health.
2. Mores.
3. List any three acts for social security of disabled.
4. Impacts of disability on family.
5. Social stratification.

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

[BOT 0122]

JANUARY 2022
(AUGUST 2021 EXAM SESSION)

Sub. Code: 6171

BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
FIRST YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY (SEC A & SEC B)
Q.P. Code: 786171

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

SECTION – A
(PSYCHOLOGY)

I. Elaborate on:

(1 x 20 = 20)

1. The different branches of psychology and salient features of each.

II. Write notes on:

(4 x 5 = 20)

1. Primary needs of a human being and its association with motivation.
2. Dollard and Miller theory of learning.
3. 5(five) defence mechanisms.
4. 3(three) principles of perception.

III. Short answers on:

(5 x 2 = 10)

1. Attention.
2. Frustration.
3. Psychology.
4. List 4(four) intelligence tests.
5. What are the concepts in thinking?

SECTION-B
(SOCIOLOGY)

I. Elaborate on:

(1 x 20 = 20)

1. Role of community in determining beliefs, practices and home remedies in treatment.

II. Write notes on:

(4 x 5 = 20)

1. Uses of study of sociology.
2. Socialization in the rehabilitation of patients.
3. Role of primary groups and secondary groups.
4. Social change and deviance.

III. Short answers on:

(5 x 2 = 10)

1. Mention types of social control.
2. Define social change.
3. List out any four role of social worker.
4. Cause of over population.
5. Define culture?

February 2012

[LA 6251]

Sub. Code: 6251

**BACHELOR OF OCCUPATIONAL THERAPY EXAMINATION
FIRST YEAR**

(Common to BOT and BPT Examinations)

Paper I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786251

Time : Three hours

Maximum : 100 marks

Answer ALL questions

Section A and B must be answered in SEPARATE Answer Book

Draw suitable diagrams wherever necessary.

**SECTION – A
(GENERAL PSYCHOLOGY)**

I. Elaborate on: (1X20=20)

1. Define perception. How perception is organized among different factors.

II. Write notes on: (4X5=20)

1. Introspection
2. Intelligence tests
3. Stages in creative thinking
4. Laws of Learning

III. Short Answers: (5X2=10)

1. List any four Personality tests
2. Instincts
3. Write FIVE defence mechanisms
4. Any 5 Physiological changes in emotion
5. Goals in psychology

**SECTION-B
(SOCIOLOGY)**

IV. Elaborate on: (1X20=20)

1. Define community. Write in detail the role of Community in Public health and in determining Beliefs and Practices.

V. Write notes on: (4X5=20)

1. What are the various agents of socialization?
2. Culture induced symptoms and disease.
3. Highlight the trends of Modern Caste system
4. Explain Social change and Health programs.

VI. Short Answers: (5X2=10)

1. Social security.
2. Juvenile delinquency.
3. Primary and Secondary group.
4. Methods of Social control.
5. Rehabilitation.

[LB 6251]

AUGUST 2012

Sub. Code: 6251

FIRST YEAR BPT EXAM

(Common to BPT and BOT Exam)

Paper I – PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 746251

Time : Three hours

Maximum : 100 marks

(180 Min) Answer ALL questions in the same order.

Section A and B must be answered in SEPARATE Answer Book

Draw suitable diagrams wherever necessary.

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|---|----|----|----|
| 1. How learning takes places according to Classical conditioning theory? What are the therapeutic advantages. | 19 | 33 | 20 |
|---|----|----|----|

II. Write notes on:

- | | | | |
|------------------------------|---|---|---|
| 1. Inventory method. | 3 | 8 | 5 |
| 2. Hunger. | 3 | 8 | 5 |
| 3. Hallucinations. | 3 | 8 | 5 |
| 4. Psychosexual development. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|---|---|---|---|
| 1. Solutions for frustration. | 1 | 5 | 2 |
| 2. Difference between Emotion and feeling. | 1 | 5 | 2 |
| 3. Any Five Branches in psychology. | 1 | 5 | 2 |
| 4. Concept of IQ. | 1 | 5 | 2 |
| 5. List out the effective ways of learning. | 1 | 5 | 2 |

**SECTION-B
(SOCIOLOGY)**

IV. Essays:

- | | | | |
|---|----|----|----|
| 1. Define Sociology and critically evaluate the application of knowledge of Sociology in Physiotherapy. | 19 | 33 | 20 |
|---|----|----|----|

V. Short Notes:

- | | | | |
|--|---|---|---|
| 1. Explain Social Security and Social Legislation. | 3 | 8 | 5 |
| 2. What is Social Consciousness and perception of illness? | 3 | 8 | 5 |
| 3. List some Home remedies in Treatments. | 3 | 8 | 5 |
| 4. How does social change cause stress? | 3 | 8 | 5 |

VI. Short Answer:

- | | | | |
|-------------------------------|---|---|---|
| 1. Medical social worker. | 1 | 5 | 2 |
| 2. Alcoholism. | 1 | 5 | 2 |
| 3. Socialization in Hospital. | 1 | 5 | 2 |
| 4. Methods of Social Control. | 1 | 5 | 2 |
| 5. Sanskritization. | 1 | 5 | 2 |

[LC 6251]

FEBRUARY 2013
FIRST YEAR BOT EXAM

Sub. Code: 6251

(Common to BOT and BPT Exam)

Paper I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786251

Time: Three hours
(180 Min)

Maximum: 100 marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on: (1 x 20 = 20 marks)

1. Define Personality. Discuss the different assessment of Personality.

II. Write notes on: (4 x 5 = 20 marks)

1. Creative Thinking.
2. Emotion and Health.
3. Old age and Stages of Dying.
4. Trial and Error Learning.

III. Short Answers: (5 x 2 = 10 marks)

1. Adulthood.
2. Name the three Intelligent Tests.
3. Avoidance = Avoidance Conflict.
4. Scope of Psychology.
5. Determination of sex.

**SECTION-B
(SOCIOLOGY)**

IV. Elaborate on: (1 x 20 = 20 marks)

1. Explain the Role of Primary Groups and Secondary Groups in the Hospital and Rehabilitation settings.

V. Write notes on: (4 x 5 = 20 marks)

1. Decision making in taking treatment.
2. Uses of study of Sociology.
3. Factors of Social change.
4. Alcoholism.

VI. Short Answers: (5 x 2 = 10 marks)

1. Meaning of Culture.
2. Customs.
3. Home remedies in treatment – give two points.
4. Define Family.
5. Institution of Health.

[LD 6251]

AUGUST 2013

Sub. Code : 6251

FIRST YEAR BOT EXAM

(Common to BOT and BPT Exam)

Paper I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786251

Time: Three hours

Maximum : 100

**Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.**

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define motivation. Explain the role of primary and secondary motives in motivation.

II. Write notes on: (4 x 5 = 20)

1. Psychosexual stages of development.
2. External factors of attention.
3. Physiological changes of emotion.
4. Heredity and Personality.

III. Short Answers: (5 x 2 = 10)

1. Interview method.
2. Structuralism.
3. Illusion.
4. Biological needs.
5. Projective techniques.

**SECTION-B
(SOCIOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define Social Group. How it differs Primary Group to Secondary Group?

II. Write notes on: (4 x 5 = 20)

1. Types of Society
2. Elements of Social Structure
3. Origin and Nature of Family
4. Role of Medical Social Worker

III. Short Answers: (5 x 2 = 10)

1. Looking Glass
2. Ill-health
3. Father of Sociology
4. Man is a Social Animal who said?
5. Social change means what?

[LE 6251]

FEBRUARY 2014

Sub. Code : 6251

FIRST YEAR BOT EXAM

(Common to BOT and BPT Exam)

Paper I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786251

Time: Three hours

Maximum : 100 marks

Section A and B must be answered in SEPARATE Answer Book

Draw suitable diagrams wherever necessary.

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define learning. Explain the theory of classical conditioning with Ivan Pavlov's experiment?

II. Write notes on: (4 x 5 = 20)

1. Experimental method
2. Maslow's view point.
3. Determinants of attention
4. Thematic Apperception Test.

III. Short Answers: (5 x 2 = 10)

1. Define emotion
2. Neuron
3. Gestalt psychology.
4. Intelligence
5. Infancy.

**SECTION-B
(SOCIOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define family. Explain the essential and non-essential functions of family.

II. Write notes on: (4 x 5 = 20)

1. Primary group and its characteristics.
2. Cultural meaning of sickness.
3. Social change and stress.
4. Problem of Beggary.

III. Short Answers: (5 x 2 = 10)

1. Meaning of norms.
2. Juvenile Delinquents.
3. Any two culture-induced diseases.
4. Any two social security schemes.
5. Meaning of outgroups.

[LF 6251]

AUGUST 2014

Sub. Code : 6251

FIRST YEAR BOT EXAM
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY
Q.P. Code: 786251

Time: Three hours

Maximum : 100 marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

SECTION – A
(PSYCHOLOGY)

I. Elaborate on: **(1x20=20)**

1. Define Personality. How Personality is shaped according to Psychoanalytic theory?

II. Write notes on: **(4x5=20)**

1. Reinforcement
2. Conflict
3. Any Five principles of Perception
4. Physiological changes during emotion

III. Short Answers: **(5x2=10)**

1. Mentions Any FOUR Schools in Psychology
2. List the senses
3. Concept of IQ
4. List any FOUR Qualities of Leadership
5. Displacement

SECTION-B
(SOCIOLOGY)

I. Elaborate on: **(1x20=20)**

1. Explain about the role of primary groups and secondary groups in the hospital and rehabilitation settings.

II. Write notes on: **(4x5=20)**

1. Application of knowledge of Sociology in Physiotherapy and Occupational therapy.
2. Influence of the family on the individual's health.
3. The role of social planning in the improvement of health and in rehabilitation.
4. Problems of women in employment

III. Short Answers: **(5x2=10)**

1. Define Socialization.
2. Forms of family.
3. Cultural lag.
4. Any two home remedies.
5. Agencies of Social control.

[LG 6251]

FEBRUARY 2015

Sub. Code : 6251

**FIRST YEAR BOT EXAMINATION
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY**

Q.P. Code: 786251

Time: Three hours

Maximum : 100 marks

**Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.**

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define Motivation. Explain Primary Needs and Psychological Needs.

II. Write notes on: (4 x 5 = 20)

1. Define Psychology
2. Adulthood
3. Components of Personality
4. Laws of Learning proposed by Thorndike

III. Short answers on: (5 x 2 = 10)

1. Twins
2. IQ
3. Anger
4. Creativity
5. Illusion

**SECTION-B
(SOCIOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define Caste. Describe its features and Modern Trends.

II. Write notes on: (4 x 5 = 20)

1. Uses of Sociology
2. Agencies of Socialization
3. Components of Culture
4. Beggary

III. Short answers on: (5 x 2 = 10)

1. Father of Sociology
2. Name four Institutions of Health
3. Primary Group
4. Home Remedies
5. Folkways

[LH 6251]

AUGUST 2015

Sub. Code: 6251

B.P.T. DEGREE EXAMINATION

FIRST YEAR

(Common to BOT and BPT Exam)

PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY

Q.P. Code: 786251

Time : Three Hours

Maximum : 100 marks

Section A and B must be answered in SEPARATE Answer Book

Draw suitable diagrams wherever necessary.

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define Perception. Explain the different principles of perception.

II. Write notes on: (4 x 5 = 20)

1. Bhatia's battery of performance test.
2. Emotion and health.
3. Old age and the stage of dying.
4. Effective ways to learn.

III. Short Answers on: (5 x 2 = 10)

1. Applied psychology.
2. Tools of thinking.
3. Leadership.
4. Internal factors of attention.
5. The structure of psyche.

**SECTION-B
(SOCIOLOGY)**

I. Elaborate on: (1 x 20 = 20)

1. Define community. Write in detail the role of urban community and rural community in public health.

II. Write notes on: (4 x 5 = 20)

1. Poverty.
2. Factors of social change.
3. Modern trends of caste system in India.
4. Sociology is a science.

III. Short Answers on: (5 x 2 = 10)

1. Who classified the concept of in group and out group?
2. Who is the father of sociology?
3. Who elaborated the idea of cultural lag?
4. Who said "Man is a social animal"?
5. Who divides the function of the family into essential and non-essential categories?

[LI 6251]

FEBRUARY 2016

Sub. Code : 6251

FIRST YEAR BOT EXAMINATION
(Common to BOT and BPT Exam)
PAPER I –GENERAL PSYCHOLOGY AND SOCIOLOGY
Q.P. Code: 786251

Time: Three hours

Maximum: 100 Marks

Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.

SECTION – A
(GENERAL PSYCHOLOGY)

I. Elaborate on: **(1 x 20 = 20)**

1. Define Intelligence. Elaborate various Intelligence Tests.

II. Write notes on: **(4 x 5 = 20)**

1. Experimental method.
2. Adolescence.
3. Principles of Perception.
4. Attitude.

III. Short answers on: **(5 x 2 = 10)**

1. Free Association.
2. Environment.
3. Fear.
4. Incidental Vs. Intentional.
5. TAT.

SECTION-B
(SOCIOLOGY)

I. Elaborate on: **(1 x 20 = 20)**

1. Define Social change. Explain Factors of Social Change.

II. Write notes on: **(4 x 5 = 20)**

1. Application of Sociology in Physiotherapy.
2. Social Groups.
3. Means of Social Control.
4. Juvenile Delinquency.

III. Short answers on: **(5 x 2 = 10)**

1. Perception of Illness.
2. Filocentric.
3. Cultural Trait.
4. "Casta".
5. Social Work.

[LJ 6251]

AUGUST 2016

Sub. Code : 6251

**FIRST YEAR BOT EXAMINATION
(Common to BOT and BPT Exam)
PAPER I – GENERAL PSYCHOLOGY AND SOCIOLOGY
Q.P. Code: 786251**

Time: Three hours

Maximum : 100 Marks

**Section A and B must be answered in SEPARATE Answer Book
Draw suitable diagrams wherever necessary.**

**SECTION – A
(PSYCHOLOGY)**

I. Elaborate on: **(1 x 20 = 20)**

1. Explain the role of primary and secondary motives in Motivation.

II. Write notes on: **(4 x 5 = 20)**

1. Conflict and its types.
2. External factors of attention.
3. Thematic Apperception Test.
4. Inventory method.

III. Short answers on: **(5 x 2 = 10)**

1. Delusions.
2. Psychosexual stages of development.
3. Traits of creative thinker.
4. Laws of learning.
5. Concept of IQ.

**SECTION-B
(SOCIOLOGY)**

I. Elaborate on: **(1 x 20 = 20)**

1. Define Health and discuss the social cultural factors as determinants of health and behavior in health and sickness.

II. Write notes on: **(4 x 5 = 20)**

1. Examine the importance of sociology in the field of physiotherapy and occupational therapy.
2. Socialization in hospital.
3. Influence of the family on personality.
4. Role of Rural community in maintaining public health.

III. Short answers on: **(5 x 2 = 10)**

1. Write different types of poverty with examples.
2. Define culture.
3. Meaning of religion.
4. List the modern trends of caste system.
5. Bring out the social security schemes for elderly.

February 2012

[LA 6153]

Sub. Code: 6153

BACHELOR OF OCCUPATIONAL THERAPY EXAMINATION

FIRST YEAR

Paper III – PHYSIOLOGY

Q.P. Code: 786153

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2X20=40)

1. Define blood pressure. Discuss the factors maintaining and regulating blood pressure.
2. Discuss the molecular mechanism of muscular contraction.

II. Write notes on :

(8X5=40)

1. Blood grouping.
2. Lung volumes and lung capacities.
3. Hypoxia.
4. Functions of thyroxine.
5. Glomerular Filtration Rate (GFR)
6. Visual pathway.
7. Functions of Basal Ganglia.
8. Cerebrospinal fluid. (CSF)

III. Short Answers :

(10X2=20)

1. Tetany.
2. Refractory period.
3. Myasthenia Gravis.
4. Oxygen dissociation curve.
5. Any four functions of cerebellum.
6. Functions of platelets.
7. List any three contraceptive methods.
8. Reflex Arc.
9. Isotonic and Isometric contraction.
10. Heart sounds.

[LB 6153]

AUGUST 2012
FIRST YEAR BOT EXAM
PAPER – III PHYSIOLOGY
Q.P. Code: 786153

Sub. Code: 6153

Time: Three Hours

Maximum: 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|---|----|----|----|
| 1. What is haemostasis? Name the clotting factors.
Explain the intrinsic mechanism of clotting? | 19 | 33 | 20 |
| 2. Name the descending tracts. Describe the origin, course
and termination of them with their functions? | 19 | 33 | 20 |

II. Write notes on:

- | | | | |
|--|---|---|---|
| 1. Structure of skin. | 3 | 8 | 5 |
| 2. Blood groups. | 3 | 8 | 5 |
| 3. Heart sounds. | 3 | 8 | 5 |
| 4. Cell and its parts. | 3 | 8 | 5 |
| 5. Functions of thalamus. | 3 | 8 | 5 |
| 6. Micturition. | 3 | 8 | 5 |
| 7. Factors affecting muscle endurance. | 3 | 8 | 5 |
| 8. Taste pathway. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|--|---|---|---|
| 1. Functions of haemoglobin. | 1 | 5 | 2 |
| 2. Oxygen debt. | 1 | 5 | 2 |
| 3. Muscle fatigue. | 1 | 5 | 2 |
| 4. Structure of neurons. | 1 | 5 | 2 |
| 5. Chemoreceptors. | 1 | 5 | 2 |
| 6. Two factors affecting foetal growth. | 1 | 5 | 2 |
| 7. Uses of ECG. | 1 | 5 | 2 |
| 8. Myxoedema. | 1 | 5 | 2 |
| 9. Bile secretion. | 1 | 5 | 2 |
| 10. Name two neurotransmitters of ANS (Autonomic
Nervous System). | 1 | 5 | 2 |

[LC 6153]

FEBRUARY 2013
FIRST YEAR BOT EXAM
PAPER – III PHYSIOLOGY
Q.P. Code: 786153

Sub. Code: 6153

Time: Three Hours
(180 Min)

Maximum: 100 marks

I. Elaborate on: **(2X20=40)**

1. Define neuro-Muscular function. Discuss the mechanism of transmission of impulses across NMJ.
2. How is the process of respiration regulated?

II. Write notes on: **(8X5=40)**

1. Lung volumes & Capacities.
2. Isotonic & Isometric Contractions.
3. Bile
4. Functions of cerebellum.
5. Cerebro-Spinal Fluid (CSF).
6. Micturition Reflex.
7. Function of thyroxine.
8. Properties of skeletal muscle.

III. Short Answers: **(10X2=20)**

1. Rheobase and chronaxie.
2. Heart sounds.
3. Functions of red blood cell.
4. Tetany.
5. Name the ovarian hormones.
6. Functions of lymph.
7. Saltatory conduction.
8. Classification of leucocyte
9. Hypoxia.
10. List any four functions of salivary juice.

[LD 6153]

AUGUST 2013
FIRST YEAR BOT EXAM
Paper III – PHYSIOLOGY
Q.P. Code: 786153

Sub. Code : 6153

Time: Three hours

Maximum : 100 marks

I. Elaborate on: **(2x20 = 40)**

1. Describe in detail exercise and postural changes on cardiovascular system.
2. Write in detail about the gastric juice composition, phases of secretion and regulation of it.

II. Write Notes on: **(8x5 = 40)**

1. Normal Electrocardiogram (ECG) and its uses
2. Mechanics of respiration
3. Functions of placenta
4. Lymph & factors affecting its flow
5. Regulation of respiration
6. Factors that affect foetal growth
7. Structure of cell and functions of cell organelles
8. Neuromuscular junction

III. Short Answers on: **(10x2 = 20)**

1. Three steps involved in formation of urine
2. Functions of cerebrospinal fluid
3. Rods and cones
4. Jaundice
5. Structure of sperm
6. Pregnancy tests
7. Define stroke volume
8. Name the anterior pituitary hormones
9. Functions of bile
10. Parathormone

[LE 6153]

FEBRUARY 2014
FIRST YEAR BOT EXAM
Paper III – PHYSIOLOGY
Q.P. Code: 786153

Sub. Code : 6153

Time: Three hours

Maximum : 100 marks

I. Elaborate on: (2x20 = 40)

1. Name the clotting factors. Write in detail the intrinsic and extrinsic regulation of coagulation
2. Draw the structure of nephron. Describe the steps involved in formation of urine.

II. Write Notes on: (8x5 = 40)

1. Movements of intestine
2. Posterior pituitary hormones
3. Temperature regulation
4. Properties of cardiac muscle
5. Cerebral circulation
6. Lactation
7. Functions of liver
8. Pancreatic secretion

III. Short Answers on: (10x2 = 20)

1. Define cardiac output
2. Blood indices
3. Structure of skin
4. Uses of Electrocardiogram(ECG)
5. Muscles of expiration
6. Blood volume
7. Taste receptors
8. Layers of retina
9. Functions of bile
10. Types of hypoxia

[LF 6153]

AUGUST 2014

Sub. Code : 6153

**FIRST YEAR BOT EXAM
PAPER III – PHYSIOLOGY**

Q.P. Code: 786153

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2x20 = 40)

1. Define Blood Pressure. Write in detail the various factors influencing Blood Pressures.
2. Write in detail the intrinsic mechanism of coagulation.

II. Write Notes on:

(8x5 = 40)

1. Structure and functions of skin
2. Neural regulation of respiration
3. Events of cardiac cycle
4. Hypoxia and its types
5. Micturation reflex
6. Functions of placenta
7. Properties of skeletal muscle
8. Stages of deglutition

III. Short Answers on:

(10x2 = 20)

1. Mention any four functions of blood
2. What is active transport and give an example?
3. Draw the waves of ECG
4. Name the muscles of respiration
5. What is cretinism and give the cause for it?
6. What is Rh incompatibility?
7. Mention the stages of spermatogenesis
8. Define GFR. Give its normal value
9. List the enzymes required for digestion of proteins
10. Mention any two tests for ovulation

[LG 6153]

FEBRUARY 2015

Sub. Code : 6153

**FIRST YEAR BOT EXAMINATION
PAPER III – PHYSIOLOGY**

Q.P. Code: 786153

Time: Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Cardiac cycle. Explain the events in different phases of cycle with illustrative diagram.
2. Name the hormones of Anterior Pituitary and Posterior Pituitary gland. Write about their actions in detail.

II. Write notes on:

(8 x 5 = 40)

1. Chemical regulation of respiration
2. Types of muscle
3. Pyramidal tract
4. Heart rate
5. What is Glomerular filtration rate and factors regulating it?
6. Cushing's syndrome
7. Intrinsic mechanism of coagulation
8. Functions of Thalamus

III. Short answers on :

(10 x 2= 20)

1. Enzymes in pancreatic juice
2. Testicular hormones
3. Acquired immunity
4. Blood groups
5. Neuroglia
6. Sarcomere
7. Functions of skin
8. Cyanosis
9. Gigantism
10. Define Stroke volume

[LH 6153]

AUGUST 2015

Sub. Code: 6153

B.O.T. DEGREE EXAMINATION

FIRST YEAR

PAPER III – PHYSIOLOGY

Q.P. Code: 786153

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about the gastric juice composition, phases of secretion and regulation of it.
2. Name the descending tracts. Describe the origin, course and termination of them with their functions?

II. Write notes on:

(8 x 5 = 40)

1. Homeostasis and feed back mechanism.
2. Electrocardiogram.
3. Factors affecting cardiac output.
4. Oxygen dissociation curve.
5. Blood groups.
6. Oral contraceptive pills.
7. Erythroblastosis fetalis.
8. Conduction system of heart.

III. Short Answers on:

(10 x 2 = 20)

1. Apoptosis.
2. Landsteiner law.
3. Stroke volume.
4. What is surfactant?
5. Hormones which rise Blood sugar level.
6. Myopia.
7. Tetany.
8. Isotonic and Isometric contraction.
9. Name two neurotransmitters of ANS (Autonomic Nervous System).
10. Three steps involved in formation of urine.

[LI 6153]

FEBRUARY 2016

Sub. Code : 6153

**FIRST YEAR BOT EXAMINATION
PAPER III – PHYSIOLOGY**

Q.P. Code: 786153

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Erythropoiesis. Explain the stage of Erythropoiesis and factors controlling Erythropoiesis. Add a note on Iron deficiency Anemia.
2. Name the Ascending tracts of the Spinal Cord. Describe the origin, course and termination of the Ascending tracts in the dorsal white column of the Spinal Cord. What are the sensations carried by these tracts?

II. Write notes on:

(8 x 5 = 40)

1. Primary active transport.
2. Factors affecting Cardiac output.
3. Heart sounds.
4. Lung volumes and Lung capacities.
5. Juxtaglomerular apparatus.
6. Functions of growth hormone
7. Role of Pancreatic juice in digestion.
8. Functions of Placenta.

III. Short answers on:

(10 x 2= 20)

1. Functions of platelets.
2. Myasthenia Gravis.
3. Oxygen debt.
4. Mention the stages of Spermatogenesis.
5. Cardiac index.
6. Receptors for vision.
7. Atonic bladder.
8. Uses of Electrocardiogram (ECG).
9. Functions of Bile.
10. Myxedema.

[LH 6173]

AUGUST 2015

Sub.Code : 6173

FIRST YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. What is GFR? Describe in detail the factors affecting it? Add a note on its estimation.
2. Name the hormones involved in menstrual cycle. Describe the changes in uterus and ovary during different phases of menstrual cycle.

II. Write notes on:

(8 x 5 = 40)

1. Chemical regulation of respiration.
2. Placental hormones.
3. Synapse.
4. Lactation.
5. Short term regulation of blood pressure.
6. Cerebral Cortex.
7. Extrinsic mechanism of coagulation.
8. Auditory pathway.

III. Short answers on:

(10 x 2 = 20)

1. Composition of gastric juice.
2. Types of T cells.
3. Grave's disease.
4. Parts of cerebellum.
5. Myofilaments.
6. What is Parturition?
7. Name four enzymes of pancreatic juice.
8. What is Innate immunity?
9. Catecholamines.
10. Taste buds.

[LI 6173]

FEBRUARY 2016

Sub. Code : 6173

FIRST YEAR BOT EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Blood pressure. Write in detail short term and long term regulation of Blood pressure. Add a note on Hypertension.
2. Explain the Physiological anatomy of Cerebellum and give details about the Cerebellar function test.

II. Write notes on:

(8 x 5 = 40)

1. Lung volumes and capacities.
2. Regulation of Cardiac output and its estimation.
3. Synapse.
4. Parturition.
5. Nervous regulation of respiration.
6. Active transport.
7. Menstrual cycle.
8. Taste pathway.

III. Short answers on:

(10 x 2 = 20)

1. Composition of gastric juice.
2. Immunoglobulins.
3. Grave's disease.
4. Testosterone.
5. Sarcomere.
6. Neuroendocrine reflex.
7. Cholecystokinin –Pancreozymin.
8. What is Micturition?
9. Smooth muscle.
10. Organ of Corti.

[LK 6173]

FEBRUARY 2017

Sub.Code : 6173

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER III – PHYSIOLOGY
Q.P. Code: 786173

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Describe structure of skeletal muscle and write the mechanism of skeletal muscle contraction.
2. Describe the oxygen transport mechanism. Add a note on Hypoxia.

II. Write notes on: **(8 x 5 = 40)**

1. Anemia and its classification.
2. Deglutition reflex.
3. Neuromuscular junction.
4. Factors regulating GFR.
5. Factors determining blood pressure.
6. Lung volumes and capacities.
7. Color vision.
8. Functions of glucocorticoids.

III. Short answers on: **(10 x 2 = 20)**

1. What is Landsteiner' Law?
2. Write two examples of negative feedback mechanism.
3. What is the difference between isotonic and isometric contraction.
4. Name the pancreatic enzymes and their actions.
5. Juxta glomerular apparatus.
6. Name the different phases of cardiac cycle.
7. What are the hormones regulating calcium level in the body.
8. Milk ejection reflex.
9. Types of reflexes.
10. Name the errors of refraction and their correction.

[LL 6173]

AUGUST 2017

Sub.Code : 6173

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Define GFR. What are the factors regulating GFR? Add a note on Glomerular Function Tests.
2. Write in detail the regulation of Blood Pressure. Add a note on Hypertension.

II. Write notes on: (8 x 5 = 40)

1. Rh Incompatibility.
2. Movements of small intestine.
3. Conduction system of heart.
4. Hypoxia.
5. Cystometrogram.
6. Pyramidal tract.
7. Spermatogenesis.
8. Clotting mechanism.

III. Short answers on: (10 x 2 = 20)

1. Sodium potassium ATPase pump.
2. Functions of blood.
3. Draw a labeled diagram of neuromuscular junction.
4. What is deglutition apnea?
5. Define shock and its type.
6. Write the functions of hypothalamus.
7. Function of CSF.
8. Organ of corti.
9. Name the hormone regulating glucose levels in our body.
10. What are the tests for ovulation?

[LM 6173]

FEBRUARY 2018

Sub.Code : 6173

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Draw an Oxygen dissociation curve and describe how oxygen is transported in the blood. Add a note on Hypoxia.
2. Draw a labeled diagram of Neuromuscular junction. Describe the events involved in neuromuscular transmission. Add note on neuromuscular blockers.

II. Write notes on:

(8 x 5 = 40)

1. Composition and functions of saliva.
2. Menstrual cycle.
3. Heart sounds.
4. Waves of ECG in Lead II.
5. Stages of deglutition.
6. A transport mechanisms across cell membrane.
7. Functions of cerebellum.
8. Micturition reflex.

III. Short answers on:

(10 x 2 = 20)

1. Functions of Aqueous humor.
2. Factors affecting cardiac output.
3. Functions of Bile.
4. Vital capacity of Lung.
5. Polycythemia.
6. Referred pain.
7. Reflex arc.
8. Functions of WBC (White Blood Corpuscles).
9. Define blood pressure.
10. Mention four properties of Cardiac muscle.

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

[LN 6173]

AUGUST 2018

Sub.Code : 6173

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the types of muscular exercise? Discuss the various cardio vascular changes occurring during the exercise.
2. Discuss the origin, course and functions of Pyramidal tract. Add a note on Hemiplegia.

II. Write notes on:

(8 x 5 = 40)

1. Explain intrinsic mechanism of coagulation of blood.
2. Renin Angiotensin system.
3. Neuromuscular junction.
4. Oxygen Dissociation Curve.
5. Composition and functions of bile.
6. Actions of insulin.
7. Functions of Placenta.
8. Primary active transport.

III. Short answers on:

(10 x 2 = 20)

1. Acromegaly.
2. Function of CSF.
3. Motor Unit.
4. Erythroblastosis Foetalis.
5. Heart Sounds.
6. Anemia.
7. Oxygen debt.
8. Functions of skin.
9. Muscles of inspiration.
10. Errors of refraction with correction.

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define arterial blood pressure. Describe the nervous regulation of arterial blood pressure.
2. Enumerate the ascending tracts in the spinal cord. Describe the pathway for pain in detail. Add a note on referred pain.

II. Write notes on:

(8 x 5 = 40)

1. Functions of juxtaglomerular apparatus.
2. Classification of the blood groups and complications of blood transfusion.
3. Types of Hypoxia and its cause.
4. Functions of plasma proteins.
5. Functions of Liver.
6. Carbon dioxide transport.
7. Neuromuscular junction.
8. Enumerate the hormones secreted by anterior pituitary gland. Mention the actions of growth hormone.

III. Short answers on:

(10 x 2 = 20)

1. Functions of middle ear.
2. Surfactant.
3. Functions of Sertoli cells.
4. Name the hormones of adrenal cortex.
5. Anticoagulants.
6. Facilitated diffusion.
7. Glomerular Filtration Rate (GFR).
8. Corpus luteum.
9. What is the difference between the Spasticity and Rigidity?
10. Sarcomere.

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Define erythropoiesis. List the different stages of erythropoiesis. Describe the changes which take place in each stage and the factors necessary for erythropoiesis.
2. Discuss the origin, course and functions of Pyramidal tract with applied physiology.

II. Write notes on: (8 x 5 = 40)

1. Iron deficiency anaemia.
2. Functions of cerebellum.
3. Test for ovulation.
4. Movements of small intestine.
5. Color vision.
6. Acidification of urine.
7. Lung volumes and capacity.
8. Regulation of Cardiac output and its estimation.

III. Short answers on: (10 x 2 = 20)

1. Reflex arc.
2. Homeostasis and its components.
3. Shock and its types.
4. Milk ejection reflex.
5. Rh incompatibility.
6. Immunoglobulins.
7. Organ of corti.
8. Deglutition apnea.
9. Phagocytosis.
10. Properties of RBC.

[LQ 6173]

FEBRUARY 2020

Sub.Code : 6173

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
FIRST YEAR
PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Describe the structure of Neuromuscular junction and events involved in neuromuscular transmission. Add a note on myasthenia gravis.
2. Trace the visual pathway and describe the effects of lesions at various levels in the pathway.

II. Write notes on: (8 x 5 = 40)

1. Define anaemia and classify it based on morphology.
2. Composition and functions of pancreatic juice.
3. Posterior pituitary hormones.
4. Hormonal changes during the menstrual cycle.
5. Micturition reflex.
6. Define Lung volumes with its normal values.
7. Baroreceptor mechanism.
8. Features of Upper Motor Neuron (UMN) lesion and Lower Motor Neuron (LMN) lesion.

III. Short answers on: (10 x 2 = 20)

1. List any two functions of placenta.
2. Normal platelet count and its function.
3. Vital capacity.
4. Define Minute ventilation.
5. Electrocardiogram (ECG).
6. Mention the determinants of cardiac output.
7. Name the speech areas in the brain.
8. Mention any two functions of hypothalamus.
9. Referred pain.
10. Parkinson disease.

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

[LR 1220]

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

Sub. Code: 6173

**BOT DEGREE EXAMINATION
FIRST YEAR
(New regulations for the candidates admitted from 2014-2015 onwards)
PAPER III – PHYSIOLOGY
*Q.P. Code: 786173***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Blood Coagulation. Discuss the mechanisms involved in blood clotting. Add a note on its applied aspects.
2. Discuss Oxygen and Carbon-dioxide transport in detail.

II. Write notes on:

(8 x 5 = 40)

1. Micturition reflex.
2. Bile.
3. Venous return.
4. Endometrial cycle.
5. Posterior pituitary hormones.
6. Properties of synapse.
7. Draw the visual pathway.
8. Neuro-muscular transmission of Impulses.

III. Short answers on:

(10 x 2 = 20)

1. Functions of salivary juice secretion.
2. Heart sounds.
3. Erythroblastosis foetalis.
4. Tidal volume.
5. Cushing's syndrome.
6. Rigor mortis.
7. Reflex Arc.
8. List the refractive errors.
9. Hormonal functions of placenta.
10. Refractory period.

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

[BOT 0321]

**MARCH 2021
(AUGUST 2020 EXAM SESSION)
BOT DEGREE EXAMINATION
FIRST YEAR**

Sub. Code: 6173

(New regulations for the candidates admitted from 2014-2015 onwards)

PAPER III – PHYSIOLOGY

Q.P. Code: 786173

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. What is Glomerular Filtration Rate? Describe in detail the factors affecting it? Add a note on its estimation.
2. Name the hormones involved in menstrual cycle. Describe the changes in uterus and ovary during different phases of menstrual cycle.

II. Write notes on: (8 x 5 = 40)

1. Lung volumes and Capacities.
2. Hormones secreted by kidney.
3. Composition and functions of Pancreatic juice.
4. Factors that affect Cardiac output.
5. Write about Spermatogenesis.
6. Properties of Cardiac Muscle.
7. Functions of Cerebellum.
8. Write about Hemophilia.

III. Short answers on: (10 x 2 = 20)

1. Functions of gastric juice secretion.
2. Define blood pressure.
3. Packed cell volume.
4. What is dead space ?
5. Write about Acromegaly.
6. Myasthenia gravis.
7. Saltatory conduction.
8. Pupillary reflex.
9. Functions of Testosterone.
10. Active transport.

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

[BOT 0921]

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

Sub. Code: 6173

**BOT DEGREE EXAMINATION
FIRST YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER III – PHYSIOLOGY
*Q.P. Code : 786173***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define respiration. Explain in detail the physiology of respiration.
2. Explain the chemical regulation of respiration. Add note on Hypoxia.

II. Write notes on:

(8 x 5 = 40)

1. Baroreceptor reflex.
2. Describe the phases of gastric juice secretion.
3. Classification of nerve fibres.
4. Give an account on micturition.
5. Hormones regulating calcium homeostasis.
6. Spermatogenesis.
7. Conducting system of the Heart.
8. Excitation-contraction coupling in skeletal muscle.

III. Short answers on:

(10 x 2 = 20)

1. Functions of mitochondria.
2. Contents of middle ear.
3. Myasthenia gravis.
4. Refractory period.
5. Mention four Peculiarities of coronary circulation.
6. List out two differences between UMN and LMN lesions.
7. What is referred pain?
8. Mention four non respiratory functions of lung.
9. Enumerate heat loss mechanism.
10. Hemophilia.

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[BOT 0122]

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

Sub. Code: 6173

**BACHELOR OF OCCUPATIONAL THERAPY DEGREE COURSE
FIRST YEAR - (Regulations for the candidates admitted from 2014-2015 onwards)
PAPER III – PHYSIOLOGY
Q.P. Code : 786173**

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the various changes taking place during muscular contraction and explain the molecular basis of contraction. Add a note on rigor mortis.
2. Describe the transport of oxygen from lungs to tissues. Add a note on hypoxia.

II. Write notes on:

(8 x 5 = 40)

1. Negative feedback mechanism.
2. Movements of intestine.
3. Hypothalamo-pituitary Axis.
4. Glomerular filtration rate.
5. Long term regulation of blood pressure.
6. Taste pathway.
7. Differentiate between upper motor neuron & lower motor neuron lesion.
8. Functions of hypothalamus.

III. Short answers on:

(10 x 2 = 20)

1. Erythroblastosis Fetalis.
2. Na⁺K⁺ATPase pump.
3. Antidiuretic hormone.
4. Peptic ulcer.
5. List the hormones secreted by the various layers of the adrenal cortex.
6. Ventilation/perfusion ratio.
7. Oedema.
8. Reflex arc.
9. Functions of plasma proteins.
10. Stroke volume.
