

MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – DECEMBER 2019

SUBJECT: NEUROSCIENCES
(2008 REGULATION/2015 (BOT 309) & 2011 SCHEME)

Monday, December 23, 2019

Time: 10:00-13:00 Hrs.

Maximum Marks: 80

✍ Answer any FOUR questions.

1. **Enumerate:**

1A. Cerebellar disorders

1B. Akinetic rigid syndrome

2A. Draw and Enumerate visual path way

2B. Clinical differences between pallioedema and optic neuritis

2C. Management of optic neuritis

3. **Short notes:**

3A. Neurogenic Bladder

3B. Management of spasticity

4. **Chorea**

4A. Optic neuritis

4B. Arterio-venous malformation in brain

4C. Diffuse axonal injury

5A. Subdural hematoma

5B. Lateral Medullary Syndrome

5C. CJD – Creuz feld Jacob disease

5D. Duchennes muscular dystrophy

(20 marks × 4 = 80 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD YEAR B.P.T. DEGREE EXAMINATION – DECEMBER 2019
SUBJECT: PHYSIOTHERAPY IN NEUROSCIENCES
(2008 REGULATION)

Thursday, December 26, 2019

Time: 10:00 - 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL the questions.

1. Essay questions:

1A. Explain the clinical features and physiotherapy management of right Middle Cerebral Artery Syndrome.

(3+7 = 10 marks)

1B. Explain the clinical features and physiotherapy management of Parkinson's disease.

(4+6 = 10 marks)

2. Write short answers:

2A. Discuss about coma stimulation techniques.

2B. Describe the assumptions and principles of NDT.

2C. Write the physiotherapy management of a child with hypotonic CP.

2D. Describe wheelchair transfer techniques for patients with paraplegia.

2E. Write the physiotherapy management for patients with cerebellar disorders.

2F. Discuss about vestibular adaptation exercises.

2G. Discuss about Bell's palsy.

2H. Write the physiotherapy management for patients with myasthenia gravis.

(5 marks × 8 = 40 marks)

3. Write briefly:

3A. What is Modified ashworth scale.

3B. Mention any four principles of PNF

3C. Mention the types of neural tube defect.

3D. What is dissociated sensory loss?

3E. Mention the types of Motor neuron disease.

3F. What is Gower's sign?

3G. Mention the types of multiple sclerosis.

3H. What is electroneuromyography?

3I. Mention any two physiotherapy techniques for treating autonomous bladder.

3J. Mention the signs of meningeal irritation.

(2 marks × 10 = 20 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD YEAR B.P.T. DEGREE EXAMINATION – DECEMBER 2019
SUBJECT: PHYSIOTHERAPY IN ORTHOPAEDICS & RHEUMATOLOGY
(2008 REGULATION)

Friday, December 27, 2019

Time: 10:00 - 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL questions.

1. **Essay questions:**

1A. Write the clinical features of adhesive capsulitis of shoulder. Write in detail the physiotherapy treatment according to the stage.

(2+8 = 10 marks)

1B. Mention the causes for mechanical low back ache. Write in detail about the physiotherapy care for mechanical low back ache patients.

(3+7 = 10 marks)

2. **Short Notes:**

2A. Write the course of radial nerve.

2B. Write on joint protection program in rheumatoid hand.

2C. Mention clinical features and x-ray finding in ankylosisspondylitis.

2D. Add a note on proprioceptive training following ankle sprain in a football player.

2E. Define amputation and physiotherapy care given to make an ideal stump.

2F. Dot down the physiotherapy management for carpal tunnel syndrome.

2G. Define and Classify fracture.

2H. Etiology of plantar fasciitis and its physiotherapy management.

(5 marks × 8 = 40 marks)

3. **Brief answers:**

3A. Mention the upper limb attitude in Erbs palsy?

3B. What's Paddlers wrist?

3C. Name the clinical test for ACL injury.

3D. What is Metatarsalgia?

3E. Define arthrodesis

3F. Mention Clinical features of VIC.

3G. What is acronym PRICE?

3H. How the tenderness is graded?

3I. List the ligaments of hip joint.

3J. What is plica syndrome?

(2 marks × 10 = 20 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD YEAR B.P.T. DEGREE EXAMINATION – DECEMBER 2019
SUBJECT: ETHICS/ADMINISTRATION AND TEACHING SKILLS
(2008 REGULATION)

Saturday, December 28, 2019

Time: 10:00 - 11:30 Hrs.

Maximum Marks: 40

✍ Answer all questions.

✍ Essay question:

1. What are the National and International Rules of Ethics in Physiotherapy?

(10 marks)

2. Short notes:

2A. Steps involved in Equipment procurement

2B. Need for communication in Physiotherapy clinical practice

2C. Consumer Protection Act in Physiotherapy practice

2D. Customer Service in Physiotherapy clinical practice

(5 marks × 4 = 20 marks)

3. Brief answers:

3A. Enumerate at least four factors influencing Staff morale.

3B. Give two examples each, of capital and consumable items in Physiotherapy

3C. What is patient confidentiality?

3D. Mention any two rules of Ethics in Academics (Physiotherapy)

3E. Enumerate any four uses of Documentation

(2 marks × 5 = 10 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – DECEMBER 2019

SUBJECT: COMMUNITY MEDICINE & SOCIOLOGY/SOCIAL & PREVENTIVE
MEDICINE AND SOCIOLOGY

(2008 REGULATION/2011 & 2015 SCHEME)

Monday, December 30, 2019

Time 10:00-13:00 Hours

Maximum Marks: 80

- ✍ Answer ALL questions.
- ✍ Answer SECTION 'A' and SECTION 'B' in TWO separate answer books.

SECTION 'A': COMMUNITY MEDICINE: 40 MARKS

1. Long question:

- 1A. Define epidemic.
- 1B. Discuss dynamics of disease transmission.
- 1C. Enumerate various modes of disease transmission.

(1+4+5 = 10 marks)

2. Write short notes on:

- 2A. Objectives of antenatal care.
- 2B. Determinants of health.
- 2C. Diagnosis of tuberculosis under RNTCP.
- 2D. Risk factors of hypertension.
- 2E. Balanced diet.
- 2F. Routine immunization schedule in India.

(5 marks × 6 = 30 marks)

SECTION 'B': SOCIOLOGY: 40 MARKS

1. What is social control? Explain the role of norms and law in the regulation of human behavior. (2+8 = 10 marks)
2. What is Juvenile delinquency? Discuss the consequences and remedies to prevent (2+4+4 = 10 marks)
3. Sociology is a science. Justify. Explain the uses of the knowledge of sociology in PT and OT. (5+5 = 10 marks)
4. Short Answers:
- 4A. Role of urban community in public health
- 4B. Socialization in hospital

(5+5 = 10 marks)

