

MANIPAL UNIVERSITY**THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – JUNE/JULY 2017****SUBJECT: ORTHOPAEDICS & RHEUMATOLOGY/CLINICAL ORTHOPAEDICS & RHEUMATOLOGY
(2008 REGULATION/2011 SCHEME)**

Thursday, June 15, 2017

Time: 10:00-13:00 Hrs.

Maximum Marks: 80

✍ Answer SECTION "A" and SECTION "B" in two separate answer books.**SECTION "A": ORTHOPAEDICS/CLINICAL ORTHOPAEDICS: 40 MARKS**

1. Describe the principles of fracture management. Enumerate five complications of fractures.
(10 marks)
2. What are the clinical and radiological features of osteoarthritis of the knee joint? Add a note on operative management of osteoarthritis of the knee joint.
(10 marks)
3. **Write short notes on:**
 - 3A. Classification of bone tumours
 - 3B. Saturday night palsy
 - 3C. Clinical features of rickets
 - 3D. Periarthritis of the shoulder

(5 marks × 4 = 20 marks)

SECTION "B": RHEUMATOLOGY: 40 MARKS

1. **Write short notes on any FOUR of the following FIVE questions.**
 - 1A. Enumerate the ACR criteria for diagnosis of rheumatoid arthritis.
 - 1B. Describe the clinical features of gout and a brief note on its treatment.
 - 1C. Write a brief note on etiopathogenesis, and clinical features of polyarthritis nodosa.
 - 1D. Describe clinical features and treatment of Temporal arthritis.
 - 1E. Mention four causes of polyarthritis. Brief note on clinical features of psoriatic arthritis

(5 marks × 4 = 20 marks)

✍ Answer any TWO FULL questions out of Question No. 2, 3 and 4:

- 2A. Mention Three complications of rheumatoid arthritis.
- 2B. Briefly describe features of rheumatoid arthritis.
- 2C. Mention four classes of anti rheumatoid drugs with one example for each.

(3+3+4 = 10 marks)

- 3A. Describe briefly pathogenesis of ankylosing spondylitis.
- 3B. Brief note on clinical features of ankylosing spondylitis.
- 3C. Brief note on management of ankylosing spondylitis.

(2+4+4 = 10 marks)

- 4A. Etiopathogenesis of reactive arthritis
- 4B. clinical features of Reactive arthritis
- 4C. Management of Reactive arthritis

(3+3+4 = 10 marks)



MANIPAL UNIVERSITY**THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – JUNE/JULY 2017****SUBJECT: NEUROSCIENCES
(2008 REGULATION/2011 SCHEME)**

Saturday, June 17, 2017

Time: 10:00-13:00 Hrs.

Maximum Marks: 80

- ✍ **Answer any FOUR questions.**
✍ **Each question carries 20 marks.**

1. Enumerate the following cranial nerve disorder:

- 1A. Optic Neuritis
- 1B. Bells palsy
- 1C. 3rd Nerve palsy
- 1D. Trigeminal Neuralgia
- 1E. Hemifacial spasm

2. Multiple Sclerosis

- 2A. Etiopathogenesis clinical features
- 2B. Management

3. Motor Neuron Disease

- 3A. Clinical features
- 3B. Investigations and management

4. **Short notes:**

- 4A. Akinetic rigid syndrome
- 4B. Chronic fatigue syndrome
- 4C. Lateral medullary syndrome
- 4D. Wernickes Aphasia
- 4E. Peripheral Neuropathy

5A. Cerebral palsy

- 5B. Alcohol toxicity
- 5C. Wilson disease



MANIPAL UNIVERSITY**THIRD YEAR B.P.T. DEGREE EXAMINATION – JUNE 2017****SUBJECT: PHYSIOTHERAPY IN NEUROSCIENCES
(2008 REGULATION)**

Tuesday, June 20, 2017

Time: 10:00-13:00 Hrs.

Maximum Marks: 80

Answer ALL the questions.**1. Essay questions:**

1A. Define cerebrovascular accident (CVA). Discuss the clinical manifestations of Middle Cerebral Artery (MCA) syndrome and describe the physiotherapy strategies to improve motor function following MCA syndrome.

(2+3+5 = 10 marks)

1B. Define cerebral palsy. Mention the topographical classification of cerebral palsy. Discuss the physiotherapy management of a child with spastic diplegia.

(2+2+6 = 10 marks)

2. Short notes:

2A. Discuss about methods of superficial sensory examination.

2B. Discuss the strategies to improve arousal following traumatic brain injury.

2C. Discuss the principles of physiotherapy management following cerebellar disorders.

2D. Discuss about the steps involved in motor relearning programme.

2E. Postural control and locomotion training following Parkinson's disease.

2F. Wheelchair transfer techniques for a patient with paraplegia.

2G. Management of fatigue in patients with multiple sclerosis.

2H. Role of physiotherapy in Obstetrics Brachial Plexus Injury.

(5 marks × 8 = 40 marks)

3. Brief answers:

3A. Modified Ashworth Scale.

3B. Define unilateral neglect.

3C. Define Rancho Los Amigos level III.

3D. Define light and heavy work muscles.

3E. Define post polio syndrome.

3F. Mention **ANY TWO** methods of diabetic foot care.

3G. Define ocular myasthenia.

3H. Mention **ANY TWO** assumptions of Sensory Integration.

3I. Define ATNR.

3J. Mention **ANY TWO** merits of NCV.

(2 marks × 10 = 20 marks)



MANIPAL UNIVERSITY**THIRD YEAR B.P.T. DEGREE EXAMINATION – JUNE 2017****SUBJECT: PHYSIOTHERAPY IN ORTHOPAEDICS AND RHEUMATOLOGY
(2008 REGULATION)**

Thursday, June 22, 2017

Time: 10:00-13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL questions.**

PART - I**1. Essay questions:**

- 1A. What is a fracture? Classify fractures. Write briefly about complications of fractures.
(2+3+5 = 10 marks)
- 1B. What are the clinical features of rheumatoid arthritis (RA)? Describe the deformities seen in the upper extremity in RA.
(4+6 = 10 marks)

PART - II**2. Write short answers:**

- 2A. Management choices and complications in fractures of the shaft of femur
2B. Volkmann's Ischaemic Contracture
2C. Fractures of the distal forearm
2D. CRPS
2E. Management of adhesive capsulitis
2F. Flexor tendon injury of the hand
2G. PT management in spinal canal stenosis
2H. Post - operative physiotherapy management of Anterior dislocation of shoulder
(5 marks × 8 = 40 marks)

PART - III**3. Write briefly:**

- 3A. What is Perthe's disease?
3B. What are the parts of a transfemoral prosthesis?
3C. What is the sequence of stretching of a CTEV?
3D. What is carpal tunnel syndrome?
3E. What is Spurling's test?
3F. How do you test for VBI?

- 3G. If a person is diagnosed as a C7 spinal cord injury, which is the distal most key muscle you would expect to find?
- 3H. What exercises are given for spondylolisthesis?
- 3I. Write any two methods of PT management for tennis elbow and its rationale.
- 3J. What is habitual dislocation of patella?

(2 marks × 10 = 20 marks)



MANIPAL UNIVERSITY**THIRD YEAR B.P.T. DEGREE EXAMINATION – JUNE 2017****SUBJECT: ETHICS/ADMINISTRATION AND TEACHING SKILLS
(2008 REGULATION)**

Saturday, June 24, 2017

Time: 10:00-11.30 Hrs

Maximum Marks: 40

✍ **Answer ALL questions.**

✍ **Essay questions:**

1. Explain the ethical issues in Academics.

(10 marks)

2. **Short notes:**

2A. Explain in detail regarding the process of equipment procurement.

2B. Discuss in detail about public education.

2C. Write in detail about the Consumer Protection Act.

2D. Explain the plan of establishing a Physiotherapy Department in an urban set up.

(5 marks × 4 = 20 marks)

3. **Brief answers:**

3A. What do you mean by patient confidentiality?

3B. Mention ANY TWO funding agencies for medical research in India.

3C. Mention ANY TWO advantages of paperless document storage.

3D. What is the ideal staff:student ratio?

3E. What is the full form of IAP?

(2 marks × 5 = 10 marks)



Reg. No.

MANIPAL UNIVERSITY

THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION –JUNE 2017

**SUBJECT: COMMUNITY MEDICINE & SOCIOLOGY/SOCIAL & PREVENTIVE
MEDICINE AND SOCIOLOGY
(2008 REGULATION/2011 SCHEME)**

Tuesday, June 27, 2017

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/SOCIAL AND PREVENTIVE MEDICINE: 40 MARKS

✍ **Long Question:**

1. Mention the Important and Common Causes of "Malnutrition" in children under the age of five years. Enumerate measure for "Prevention" of Malnutrition. Mention any four Anthropometric measurements used in assessment of Malnutrition.

(3+5+2 = 10 marks)

2. **Write short notes on:**

- 2A. Write the components for control of "Iodine Deficiency Disorders" in India.
2B. Enumerate "Common" causes for "Locomotor Disabilities" in India.
2C. Write the "Universal Immunization Schedule" for Infants (up to one year of age).
2D. Enumerate the steps used in conducting "Cohort Study".
2E. Explain the concept of "Iceberg Phenomenon" of a Disease with examples.
2F. Mention the functions of United Nations Children's Emergency Relief Fund (UNICEF).

(5 marks × 6 = 30 marks)

SECTION 'B': SOCIOLOGY : 40 MARKS

1. What is social change? Explain the factors of social change.

(2+8 = 10 marks)

2. Explain the meaning of rural and urban communities and their role in public health.

(2+2+6 = 10 marks)

3. Explain the influence of family on health and sickness of an individual.

(5+5 = 10 marks)

4. **Write short notes on the following:**

- 4A. Social welfare measures in relation to the disabled.
4B. Explain the problems of women in employment.

(5+5 = 10 marks)

