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MANIPAL UNIVERSITY

THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – DECEMBER 2013

SUBJECT: ORTHOPAEDICS & RHEUMATOLOGY/CLINICAL ORTHOPAEDICS AND RHEUMATOLOGY
(COMMON FOR BOTH 2008 & OLD REGULATION)

Wednesday, December 18, 2013

Time: 10:00-13:00 Hrs.   Maximum Marks: 80

✍ **Answer SECTION "A" and SECTION "B" in two separate answer books.**

SECTION "A": CLINICAL ORTHOPAEDICS: 40 MARKS

1. Enumerate the causes for Back Ache. What are the clinical features of Acute Inter Vertebral Disc Prolapse of L5-S1 disc? Add a note on the non operative management of Back Ache.

(10 marks)

2. What are the clinical and radiological features of osteoarthrosis of the knee joint? Add a note on operative management of osteoarthrosis of the knee joint.

(10 marks)

3A. Tennis Elbow
3B. Classification of bone tumours
3C. Clinical features of Rickets
3D. Periarthritis of the shoulder

(20 marks)

SECTION "B": RHEUMATOLOGY: 40 MARKS

4. **Write short notes on any FOUR out of the following FIVE questions:**

4A. Enumerate the criteria for diagnosis of Rheumatoid Arthritis.
4B. Discuss the aetiopathogenesis and clinical features of Ankylosing Spondylitis.
4C. Discuss the clinical features and treatment of spondyloarthropathy associated with inflammatory bowel disease.
4D. Discuss the aetiology, clinical features and treatment of "Pseudogout".
4E. Discuss clinical manifestation and treatment of "Sjogren's syndrome".

(20 marks)

✍ **Answer any TWO out of the following THREE questions:**

5A. Describe six clinical features of SLE.
5B. Describe the various antibodies in SLE.
5C. Discuss the management of SLE.

(3+4+3 = 10 marks)

6A. Discuss the clinical manifestation of systemic sclerosis.

6B. Discuss the diagnosis of systemic sclerosis.

6C. Discuss the management of systemic sclerosis.

(4+3+3 = 10 marks)

7A. Define "Gout".

7B. Describe clinical features of Gout.

7C. Describe about the diagnosis and management of Gout.

(10 marks)

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THIRD YEAR B.P.T./B.O.T. DEGREE EXAMINATION – DECEMBER 2013
SUBJECT: NEUROSCIENCE/NEUROLOGICAL SCIENCE
(COMMON FOR BOTH OLD & 2008 REGULATION)

Thursday, December 19, 2013

Time: 10:00-13:00 Hrs.   Maximum Marks: 80

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

1. Describe the clinical presentations, investigation and management of patients with multiple sclerosis.

2. Describe the clinical presentation, management and complications of organo-Phosphorus poisoning.

3. Describe the causes, clinical features and management of a patient with spastic paraplegia.

4. **Short notes:**

4A. Fibromyalgia
4B. Neurological manifestations of AIDs
4C. Draw a diagram of facial nerve and its branches and label the same
4D. Creutzfeld – Jakob disease

5. **Short notes:**

5A. Amyotrophic lateral sclerosis
5B. Multi system atrophy
5C. Rickets and osteomalacia
5D. Measles

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MANIPAL UNIVERSITY

THIRD YEAR B.P.T. DEGREE EXAMINATION – DECEMBER 2013

SUBJECT: PHYSIOTHERAPY IN NEUROSCIENCES
(COMMON FOR 2008 & OLD REGULATION)

Friday, December 20, 2013

Time: 10:00-13:00 Hrs.   Maximum Marks: 80

✍ **Answer ALL the questions.**

1. **Essay questions:**

1A. Define Parkinson's disease. Describe the cardinal features of Parkinson's disease and its physiotherapy management.

(2+3+5 = 10 marks)

1B. Enumerate different clinical syndromes of Spinal Cord Injury. Explain the functional expectations and physiotherapy management for a patient with C5 spinal cord injury.

(3+2+5 = 10 marks)

2. **Short notes:**

2A. Discuss about methods of cortical sensory examination.
2B. Discuss the strategies to improve upper limb function following stroke.
2C. Discuss the physiotherapy management following myopathies.
2D. Discuss about the principles of techniques in Brunnstrom movement therapy.
2E. Discuss the strategies involved in management of patients with RLA level V.
2F. Physiotherapy management of a patient with GBS during recovery stage.
2G. Locomotor training for a child with spastic diplegia.
2H. Physiotherapy in Down's syndrome.

(5×8 = 40 marks)

3. **Brief answers:**

3A. Romberg's test
3B. Define Pusher's syndrome
3C. Icing
3D. Define fatigue
3E. Define DMD
3F. Mention any two assumptions of motor relearning programme
3G. Define STNR
3H. Mention any two merits and demerits of nerve conduction studies
3I. Mention any two reactions in vojta therapy
3J. Define Amyotrophic lateral sclerosis

(2×10 = 20 marks)

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MANIPAL UNIVERSITY

THIRD YEAR B.P.T. DEGREE EXAMINATION – DECEMBER 2013

SUBJECT: PHYSIOTHERAPY IN ORTHOPAEDICS AND RHEUMATOLOGY
(COMMON FOR BOTH OLD & 2008 REGULATION)

Saturday, December 21, 2013

Time: 10:00-13:00 Hrs.   Maximum Marks: 80

✍ **Answer ALL questions.**

1. **Essay Questions:**

1A. Discuss rehabilitation guidelines for Anterior Cruciate Ligament reconstruction in knee.

1B. Describe Physiotherapeutic management following Supracondylar fracture of Humerus.

(10×2 = 20 marks)

2. **Brief Questions:**

2A. Discuss physiotherapeutic management for Haemophilic Arthritis of knee.

2B. Write a short notes on Do's and Don'ts following total hip replacement.

2C. Discuss briefly about therapeutic management of carpal tunnel syndrome.

2D. Describe any two tests in physical examination to identify meniscal injuries at knee.

2E. Discuss the therapeutic management for patellar fracture managed by tension band wiring.

2F. Discuss early passive mobilization protocol for flexor tendon injury.

2G. Discuss the features of an ideal stump following an above knee amputation.

2H. Discuss rehabilitation for Adhesive capsulitis.

(5×8 = 40 marks)

3. **Short Answers:**

3A. List any two Special tests to identify tennis elbow.

3B. What is Triple arthrodesis?

3C. Mention the complications of fracture neck of femur.

3D. Interpretation of Resisted isometric testing

3E. Mention the features of Vertebro basilar insufficiency.

3F. Functional position for shoulder arthrodesis

3G. List out components of Median nerve tissue tension test.

3H. Mention deformities in RA hand.

3I. List the specific complications of both bone forearm fractures.

3J. Write the principles of Cyriax's deep transverse friction technique.

(2×10 = 20 marks)

MANIPAL UNIVERSITY

THIRD YEAR B.P.T. DEGREE EXAMINATION – DECEMBER 2013

SUBJECT: ETHICS/ADMINISTRATION AND TEACHING SKILLS
(2008 REGULATION)

Monday, December 23, 2013

Time: 10:00-11.30 Hrs

Maximum Marks: 40

✍ **Answer ALL questions.**

✍ **Essay Questions:**

1. Discuss in detail about the ethical issues related to the practice of physiotherapy profession in India.

(10 marks)

✍ **Brief Answers:**

2A. Guidelines for documentation in physiotherapy
2B. Planning to set up a physiotherapy department in 100 bedded hospital
2C. Discuss the areas to be emphasized by a physiotherapist during public education.
2D. Discuss about equipment procurement method.

(5×4 = 20 marks)

✍ **Short Notes:**

3A. Mention any two organizations that provide funds for research in India.
3B. Mention any two laws regulating the legal issues of disabled in India.
3C. Mention any two methods to provide a better consumer service in a hospital.
3D. Mention any two methods of raising funds for poor patients.
3E. Consumer protection act

(2×5 = 10 marks)

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MANIPAL UNIVERSITY

THIRD YEAR B.P.T. DEGREE EXAMINATION – DECEMBER 2013

SUBJECT: COMMUNITY MEDICINE AND SOCIOLOGY
(2008 REGULATION)

Tuesday, December 24, 2013

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. Discuss "Reservoir" of disease under the following heads:
    a)   Definition
    b)   Classification with examples
    c)   Discuss the methods to control them

    (1+4+5 = 10 marks)

2.   **Write short notes on:**

2A. Strategies for polio eradication
2B. ESI Act
2C. High risk pregnancies
2D. Measures for prevention of diabetes mellitus
2E. Enumerate international health agencies
2F. Tasks of disaster preparedness

(5×6 = 30 marks)

SECTION 'B': SOCIOLOGY : 40 MARKS

3.   Write the meaning of deviance with examples. List the causes and suggest measures to regulate it.

    (2+8 = 10 marks)

4.   What is family? How does family influence on the individuals' health?

    (2+8 = 10 marks)

5.   Explain the consequences and remedies for poverty and employment.

    (10 marks)

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

6A. Social change and health program
6B. Decision making in treatment

    (5×2 = 10 marks)