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MANIPAL UNIVERSITY

SECOND YEAR M.O.T. DEGREE EXAMINATION – JUNE 2014

SUBJECT: PAPER – V: OCCUPATIONAL THERAPY PRACTICE ISSUES

Monday, June 02, 2014

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions. Draw diagram wherever necessary.**

✍ **Long Questions:**

1. Define evidence based practice and its uses. Describe the steps to integrate research into practice. Explain evidence based practice model in adult condition.

(5+10+10 = 25 marks)

2. Describe professional communications. Discuss any two methods to improve professional communication in occupational therapy practice.

(15+10 = 25 marks)

3. Write short notes on:

3A. Describe the major components of quality assurance program.

3B. Discuss on control of equipment and stock in planning for occupational therapy unit.

3C. Discuss need for being culturally sensitive practice in occupational therapy.

(10 marks × 3 = 30 marks)



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MANIPAL UNIVERSITY

SECOND YEAR M.O.T. DEGREE EXAMINATION – JUNE 2014

SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN HAND & MUSCULOSKELETAL CONDITIONS (SECTION-A)

Wednesday, June 04, 2014

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the Questions.**

✍ **Long Questions:**

1. Compare and contrast the various post-operative mobilizing protocols of flexor tendons.
(25 marks)

2. Discuss the mechanical principles of hand splinting.
(25 marks)

3. Short Notes:

3A. Describe the cultural factors that influence assistive technology usage.

3B. Enumerate the role of computer as an assistive technology.

3C. Describe Neer's classification of proximal humerus fracture.

(10 marks × 3 = 30 marks)



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MANIPAL UNIVERSITY

SECOND YEAR M.O.T. DEGREE EXAMINATION – JUNE 2014

SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN DEVELOPMENTAL DISABILITIES (SECTION-A)

Wednesday, June 04, 2014

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL the questions.

✍ Long questions:

1. Discuss how sensory integration influence development of praxis abilities? What are formal and informal assessment of praxis abilities and discuss the three levels of sensory integration and praxis test (SIPT) assessment.

(10+10+ 5 = 25 marks)

2. Describe the classification of food based on consistency. Explain factors that determine swallowing and how consistency of food influences the swallowing process in children.

(10+5+10 = 25 marks)

3. Short Notes:

3A. Discuss the measurement of outcomes to enhance Activities of Daily living in children.

3B. What factors influence the 'state' in neonate. Describe the neurological examination of newborn proposed by Dubowitz.

3C. Plan assessment and intervention to promote playfulness.

(10 marks × 3 = 30 marks)



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MANIPAL UNIVERSITY

SECOND YEAR M.O.T. DEGREE EXAMINATION – JUNE 2014

SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN NEURO REHABILITATION (SECTION-A)

Wednesday, June 04, 2014

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions.**

✍ **Long questions:**

1. Define motor control. Discuss the four theories of motor control with its limitations and clinical application in neuro-rehabilitation.

(5+20 = 25 marks)

2. Explain with suitable examples the function-dysfunction continua of the Biomechanical approach that are applicable to neuro-rehabilitation. Provide any two research evidence of the effectiveness of this approach.

(15+10 = 25 marks)

✍ **Short Notes:**

3A. Principles of Roods approach.

3B. Attractor states and control parameters.

3C. Interventions to increase frequency of arm and hand use.

(10 marks × 3 = 30 marks)



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MANIPAL UNIVERSITY

SECOND YEAR M.O.T. DEGREE EXAMINATION – JUNE 2014

**SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN HAND & MUSCULOSKELETAL
CONDITIONS (SECTION-B)**

Friday, June 06, 2014

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the Questions.**

✍ **Long Questions:**

1. Describe the impact of rheumatoid arthritis on the physical, functional, social, psychological aspect of an individual.

(25 marks)

2. Describe a typical vertebra and the stability & mobility factor of vertebral column.

(5+20 = 25 marks)

3. Short Notes:

3A. Describe 'socket' of a lower extremity prosthesis.

3B. Describe five important fracture complications.

3C. Describe the indications and limitations of range of motion exercise.

(10 marks × 3 = 30 marks)



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SECOND YEAR M.O.T. DEGREE EXAMINATION – JUNE 2014

SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN NEURO REHABILITATION (SECTION-B)

Friday, June 06, 2014

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions**

✍ **Long Questions:**

1. Explain primary dystonia and its impact on occupational performance. Discuss the treatment strategies intervention for primary dystonia with research evidence.

(10+15 = 25 marks)

2. Describe the effect of neuropsychological disorders due to frontal lobe dysfunction on occupational performance.

(25 marks)

3. Short Notes:

- 3A. Direct and indirect swallow treatment.
- 3B. Retraining of saccades and pursuits.
- 3C. Occupational therapy goals in late stages of motor neuron disease.

(10 marks × 3 = 30 marks)



MANIPAL UNIVERSITY

SECOND YEAR M.O.T. DEGREE EXAMINATION – JUNE 2014

SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN DEVELOPMENTAL DISABILITIES
(SECTION-B)

Friday, June 06, 2014

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL the questions.

✍ Long questions:

1. Describe the pathophysiology of joint affectation in juvenile rheumatoid arthritis (JRA). What are the common joint deformities in JRA? Explain joint protection program for a school child with JRA.

(5+10+10 = 25 marks)

2. Explain any two theories of reading disability. Describe the common characteristics in children with reading difficulties and sensory integrative based class-room strategies for their intervention.

(10+5+10 = 25 marks)

3. Short Notes:

3A. Explain the neurophysiology of normal tone and its supra-spinal influence. Comment on the role of inhibitory casting and splints in the management of spasticity.

(5+5 = 10 marks)

3B. Discuss information processing model to motor planning abilities.

(10 marks)

3C. Respiratory impairment in children with muscular dystrophy.

(10 marks)

