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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**SECOND YEAR M.O.T. DEGREE EXAMINATION – MAY/JUNE 2018**  
**SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN HAND AND**  
**MUSCULOSKELETAL CONDITIONS (SECTION-B)**

Friday, June 01, 2018

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions.**

✍ **Long questions:**

1. Discuss various hip arthroplasties and the comprehensive rehabilitation program for patients undergone total hip arthroplasty.

(10+15 = 25 marks)

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

(5+20 = 25 marks)

3. **Short notes:**

3A. Describe the psychosocial impact of spinal cord injury.

(10 marks)

3B. Describe hallux valgus and its management.

(5+5 = 10 marks)

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

(5+5 = 10 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION****SECOND YEAR M.O.T. DEGREE EXAMINATION – MAY/JUNE 2018****SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN NEURO REHABILITATION (SECTION-B)**

Friday, June 01, 2018

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions.**

✍ **Long questions:**

1. Discuss in detail the problems contributing to dysphagia in a patient with hemiplegia and the occupational therapy management of the same.

(10+15 = 25 marks)

2. Describe the risk factors for falls in older adults. Explain the assessment of fall risk in older adults.

(10+15 = 25 marks)

3. **Short notes:**

3A. Describe any two hand-based splints used in neuro-rehabilitation with its indications, advantages, disadvantages and contraindications if any.

(5+5 = 10 marks)

3B. Explain with suitable examples the risk factors for developing pressure ulcers following neurological dysfunction.

(4+6 = 10 marks)

3C. Selection of compensatory strategies for cognitive problems.

(10 marks)



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# MANIPAL ACADEMY OF HIGHER EDUCATION

## SECOND YEAR M.O.T. DEGREE EXAMINATION – MAY/JUNE 2018

SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN MENTAL HEALTH & PSYCHOSOCIAL REHABILITATION (SECTION B)

Friday, June 01, 2018

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL Questions.**

✍ **Long questions:**

1. Explain the concept 'Therapeutic use of self'. Describe the essential qualities of a competent Occupational therapist in psychosocial settings and strategies to develop the same.

(5+15+5 = 25 marks)

2. Describe common clinical conditions seen in adolescence. Discuss Occupational Therapy goals and treatment methods used while working with adolescents.

(5+8+12 = 25 marks)

3. **Write short notes on:**

3A. Training for improving community mobility of clients with psychiatric illness.

3B. Occupational Therapy intervention for clients with Somatoform disorders.

3C. Cognitive deficits in clients with Schizophrenia.

(10 marks × 3 = 30 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**

**SECOND YEAR M.O.T. DEGREE EXAMINATION – MAY/JUNE 2018**

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

Friday, June 01, 2018

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions.**

✍ **Long questions:**

1. Describe the neuro-physiology of spasticity. Explain the mechanism of action of nerve blocks and botulinum toxin in the management of spasticity.

(15+10 = 25 marks)

2. Describe the pathogenesis and classification of juvenile rheumatoid arthritis. Explain the patho-mechanics of any one wrist deformities and plan the stage specific intervention program.

(10+15 = 25 marks)

3. **Write short notes on:**

3A. Describe the ecological model of sensory modulation<sup>4</sup> dysfunction as a basis of understanding children with Autism.

3B. Respiratory affectation in children with learning disability and respiratory care.

3C. Describe the new born “state” and its influence on development.

(10 marks × 3 = 30 marks)



**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**SECOND YEAR M.O.T. DEGREE EXAMINATION – MAY/JUNE 2018**  
**SUBJECT: PAPER – V: OCCUPATIONAL THERAPY PRACTICE ISSUES**

Monday, May 28, 2018

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions.**

✍ **Draw diagram wherever necessary.**

✍ **Long Questions:**

1. Describe the qualities and functions of intrapreneurs and entrepreneurs. Discuss the need for entrepreneurs in occupational therapy practice.

(15+10 = 25 marks)

2. Discuss the plan to establish an occupational therapy department. Describe the human resource management to meet the department needs for patient services.

(15+10 = 25 marks)

3. **Write short notes on:**

3A. Describe the levels of evidence in research.

3B. Characteristics feature of effective teacher.

3C. Describe any two managerial style.

(10 marks × 3 = 30 marks)





**MANIPAL ACADEMY OF HIGHER EDUCATION****SECOND YEAR M.O.T. DEGREE EXAMINATION – MAY/JUNE 2018****SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN NEURO REHABILITATION (SECTION-A)**

Wednesday, May 30, 2018

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions.**

✍ **Long Questions:**

1. Enumerate the principles of neuroplasticity. Discuss with suitable examples the guidelines for applying the principles of neuroplasticity in treatment.

(10+15 = 25 marks)

2. Describe the strategies for retraining postural control deficits in clients with neurological disorders.

(25 marks)

3. **Short notes:**

3A. Therapeutic use of the auditory system in neuro-rehabilitation.

3B. Occupation-based focus in the Task-oriented Approach.

3C. Advantages and limitations of Brunnstrom's movement therapy.

(10 marks × 3 = 30 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**SECOND YEAR M.O.T. DEGREE EXAMINATION – MAY/JUNE 2018**  
**SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN HAND &**  
**MUSCULOSKELETAL CONDITIONS (SECTION-A)**

Wednesday, May 30, 2018

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

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✍ **Answer ALL the questions.**

✍ **Long questions:**

1. Describe medical and rehabilitative management of fracture shaft right humerus and its typical complications for a 25 year old male cook.

(25 marks)

2. Describe the functional versatility of hand using the knowledge of biomechanics.

(25 marks)

3. **Short notes:**

3A. Describe the palpation method and its importance in the evaluation process of musculoskeletal conditions.

3B. Describe two tests to demonstrate impingement at the shoulder joint.

3C. Describe Perdue Pegboard test and its significance.

(10 marks × 3 = 30 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**SECOND YEAR M.O.T. DEGREE EXAMINATION – MAY/JUNE 2018**

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

Wednesday, May 30, 2018

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions.**

✍ **Long questions:**

1. Explain dual control mechanism of CNS on hand function. Describe the development of precision grasp in children. State any three points of intervention to promote fine motor development.

(5+10+10 = 25 marks)

2. Describe the change in the oral anatomical structure with development. Explain the oral motor skills required for feeding liquids. Why infants are better equipped to feed liquid than adults.

(10+10+5 = 25 marks)

3. **Short notes:**

3A. Post –rotatory nystagmus and its dysfunction.

3B. What are higher cognitive functions and how they enable engagement in occupation?

3C. What are the function-dysfunction in the development of coping in children?

(10 marks × 3 = 30 marks)





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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**SECOND YEAR M.O.T. DEGREE EXAMINATION – MAY/JUNE 2018**  
**SUBJECT: PAPER – VI: OCCUPATIONAL THERAPY IN MENTAL HEALTH & PSYCHOSOCIAL REHABILITATION (SECTION A)**

Wednesday, May 30, 2018

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL Questions.**

✍ **Long Questions:**

1. Explain the 'dynamic states' domain of concern in Psychosocial Occupational Therapy and its relevance to clinical practice.

(20+5 = 25 marks)

2. List out Mosey's adaptive skills. Describe in detail the Group interaction skills.

(5+20 = 25 marks)

3. **Write short notes on:**

3A. Role of psychosocial Occupational Therapy in geriatric settings.

3B. Challenges faced in assessment of clients in mental health settings.

3C. Compare and contrast the analytical and acquisitional frames of reference.

(10 marks × 3 = 30 marks)

