

Question Paper

Exam Date & Time: 25-Jun-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER MOT DEGREE EXAMINATION - JUNE 2024
SUBJECT: OCT6102 - OCCUPATIONAL THERAPY IN MUSCULOSKELETAL AND HAND CONDITIONS II
(SPECIALIZATION: HAND AND MUSCULOSKELETAL CONDITIONS)
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain the curves of the vertebral column with a labeled diagram. Discuss the kinematics and kinetics of the vertebral column.
(5+15 = 20 marks) | (20) |
| 2) | Explain the parts of a metal ankle foot orthosis with a labeled diagram and describe its clinical application.
(15+5 = 20 marks) | (20) |
| 3A) | Explain the indications and goals of passive range of motion exercises. | (10) |
| 3B) | Discuss four common complications in upper-extremity amputation that can influence the rehabilitative outcome.
(2½ marks × 4 = 10 marks) | (10) |
| 3C) | Describe impingement syndrome and its medical and rehabilitative management.
(2+4+4 = 10 marks) | (10) |
| 3D) | Describe the psychosocial adaptations in patients with spinal cord injury. | (10) |
| 4A) | Describe the mechanics of quadriceps lag. | (5) |
| 4B) | Discuss the specific contraindications following hip surgery. | (5) |
| 4C) | Describe the mechanisms of burn injury. | (5) |
| 4D) | Describe the role of splints in patients with radial longitudinal deficiency. | (5) |

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FOURTH SEMESTER MOT DEGREE EXAMINATION - JUNE 2024
SUBJECT: OCT6202 - OCCUPATIONAL THERAPY IN NEUROREHABILITATION - II
(SPECIALIZATION: NEURO REHABILITATION)
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain the use of exercises across the stages of Parkinson's disease in occupational therapy. | (20) |
| 2) | Elaborate the five phases of life for a survivor of traumatic brain injury with the role of occupational therapy in each phase. | (20) |
| 3A) | Explain strategies to be used in occupational therapy assessment of persons with expressive aphasia. | (10) |
| 3B) | Explain the factors influencing selection of compensatory strategies for cognitive impairments. | (10) |
| 3C) | Summarize the role of occupational therapy in supporting safety in daily activities of individuals with seizures. Discuss any two challenges to the same in the Indian context.
(5+5 = 10 marks) | (10) |
| 3D) | Explain the controversy over remedial and compensatory approaches in subacute phase of stroke rehabilitation. Justify your stand on the same.
(5+5 = 10 marks) | (10) |
| 4A) | Explain any two challenges in supporting functional independence in patients with neurological disorders in the Indian context. | (5) |
| 4B) | Opine on relevance of the Home Falls and Accidents Screening Tool for the Indian context. | (5) |
| 4C) | Differentiate between 'mild cognitive impairment' and 'dementia'. | (5) |
| 4D) | List occupational therapy goals in stage I of Multiple Sclerosis. | (5) |

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MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER MOT DEGREE EXAMINATION - JUNE 2024
SUBJECT: OCT6302 - OCCUPATIONAL THERAPY IN DEVELOPMENTAL DISABILITIES II
(SPECIALIZATION: DEVELOPMENTAL DISABILITIES)
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the functions of occupational therapy in schools. Discuss your opinion about occupational therapy services in the Indian school system. (20)
(15+5 = 20 marks)
- 2) Describe the classification of specific learning disabilities. Justify the role of occupational therapy in the management of children with specific learning disabilities. (20)
(15+5 = 20 marks)
- 3A) Explain the occupational therapy interventions for birth brachial plexus injuries. (10)
- 3B) Explain the classification of epilepsy. Discuss the application of the occupational therapy process for children with epilepsy. (10)
(3+7 = 10 marks)
- 3C) Describe the concept of play as means to learning specific skills in early intervention settings. (10)
- 3D) Explain the functions of an occupational therapist in a children's hospital. (10)
- 4A) Explain the five purposes of conducting occupational therapy evaluations in pediatric settings. (5)
- 4B) Describe the investigative procedures for children with muscular dystrophy. (5)
- 4C) Describe the occupational therapy management of children with in-born errors of metabolism. (5)
- 4D) Describe the neurobehavioral development of preterm infant with gestational age less than 30 weeks. (5)

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MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER MOT DEGREE EXAMINATION - JUNE 2024

SUBJECT: OCT6402 - OCCUPATIONAL THERAPY IN MENTAL HEALTH AND PSYCHOSOCIAL REHABILITATION - II
(SPECIALIZATION: MENTAL HEALTH AND PSYCHOSOCIAL REHABILITATION)
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the assumptions of Dialectical Behavior Therapy. Discuss its application in occupational therapy practice. (20)
(8+12 = 20 marks)
- 2) Explain four evidence-based occupational therapy interventions for individuals with schizophrenia. (20)
(5 marks × 4 = 20 marks)
- 3A) Explain the dos and don'ts to be followed while working with families of individuals with mental illness, with an emphasis on Indian context. (10)
(5+5 = 10 marks)
- 3B) Explain the patterns of attachment and the impact of these on the functioning of children with psychosocial issues. (10)
(6+4 = 10 marks)
- 3C) Explain the role of occupational therapists in the management of internet use disorder. (10)
- 3D) Describe practice principles to facilitate motivation for occupational engagement. (10)
- 4A) Analyze the impact of mania on an individual's activities of daily living. (5)
- 4B) Explain the use of crisis intervention principles in occupational therapy practice, with a suitable example. (5)
- 4C) Explain the concept of 'Occupational balance'. (5)
- 4D) Critique the 'supported employment' model for individuals with mental illness. (5)

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