

Question Paper

Exam Date & Time: 24-May-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHT SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: PTH4201 - THEORETICAL CONCEPTS IN CARDIOPULMONARY PHYSIOTHERAPY- II
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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| 1) | Explain the physiotherapy assessment and treatment of a 45 year old male patient with bronchiectasis. | (10) |
| 2) | Discuss the post-operative physiotherapy management for a 38 year old female patient after cholecystectomy. | (10) |
| 3A) | Define Cardiac rehabilitation. Explain what is phase 2 cardiac rehabilitation. | (5) |
| 3B) | Explain the physiotherapy management for a patient with peripheral arterial disease. | (5) |
| 3C) | Explain the components of pulmonary rehabilitation. | (5) |
| 3D) | List the precautions and exercise termination criteria for health-related physical fitness testing. | (5) |
| 4A) | List ANY TWO precautions during exercise training in cancer rehabilitation. | (2) |
| 4B) | Mention ANY TWO types of abdominal incisions. | (2) |
| 4C) | Mention ANY TWO contraindications for incentive spirometry. | (2) |
| 4D) | List ANY TWO occupational lung diseases. | (2) |
| 4E) | List ANY TWO bronchodilator drugs. | (2) |

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Question Paper

Exam Date & Time: 22-May-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHTH SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: PTH4202 - THEORETICAL CONCEPTS FOR PHYSIOTHERAPY IN SPECIAL CONDITIONS
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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| 1) | Explain the Physiotherapy management during labour. | (10) |
| 2) | Explain the exercise prescription for a 48-year-old obese woman in her post-menopause stage. | (10) |
| 3A) | Discuss the stages of wound healing. | (5) |
| 3B) | Discuss ANY FIVE gait deviations due to issues related to prosthesis. | (5) |
| 3C) | Explain various risk factors for developmental disability in children. | (5) |
| 3D) | Explain the manual method of evaluation of Diastasis Rectus Abdominus. | (5) |
| 4A) | Mention ANY FOUR types of menstrual disorders. | (2) |
| 4B) | Mention ANY TWO clinical features of Hansen's disease. | (2) |
| 4C) | List ANY TWO types of sports for people with paraplegia. | (2) |
| 4D) | Mention ANY TWO types of long-term complications following third-degree burns in the upper limb. | (2) |
| 4E) | List ANY TWO National programs on child health. | (2) |

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Question Paper

Exam Date & Time: 20-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHTH SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024

SUBJECT: PTH4203 - ELECTRODIAGNOSIS

(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the stages of EMG recording. List the abnormal spontaneous potentials recorded at rest and differentiate the neurogenic and myogenic potentials among them. (20)
(5+15 = 20 marks)
- 2) List the indications of Motor nerve conduction velocity. Explain the procedure of recording Motor nerve conduction velocity. Describe the factors affecting the parameters. (20)
(4+10+6 = 20 marks)
- 3) List the different types of electrodes used in an EMG & NCV device. Describe any four electrodes in detail. (10)
(2+8 = 10 marks)
- 4) What is F wave? Describe the procedure of recording and parameters. (10)
(1+5+4 = 10 marks)
- 5A) Explain the physiological properties of motor unit. (5)
- 5B) What is Repetitive Nerve Stimulation? list its indications and types of stimulation. (5)
- 5C) Outline the merits and demerits of EMG Biofeedback. (5)
- 5D) Explain the generation and propagation of membrane potential and its response to electrical currents. (5)
- 5E) Describe the electrodiagnostic classification of peripheral nerve injuries. (5)
- 5F) What is H reflex? Describe the parameters measured during H reflex. (5)
- 6A) What is a 'Sweep' in a display of electrodiagnostic? (2)
- 6B) Define Chronaxie. (2)
- 6C) Mention any TWO indications for Sensory evoked potential. (2)
- 6D) Mention the abnormalities recorded during the insertional activity of EMG recording. (2)
- 6E) Mention the normal values of upper limb nerve conduction velocity. (2)

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Question Paper

Exam Date & Time: 27-May-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHT SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: PTH4241 - PROGRAM ELECTIVE - II : DISABILITY AND HEALTH
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Outline the provisions under the United Nations Convention for Persons, 2006 with Disabilities and the Rights of Persons with Disabilities Act, 2016 in the context of health and welfare. (10)
(5+5 = 10 marks)
- 2) Explain the influence of the environment on the participation of individuals with disabilities. Outline the impact of the built environment on physical activity participation among individuals with disabilities. (10)
(5+5 = 10 marks)
- 3A) What is Inclusive Education? Explain the importance of inclusive education on children with disabilities, families, and community. (5)
(1+4 = 5 marks)
- 3B) Explain the roles of media in Disability Studies and the welfare of persons with disabilities. (5)
- 3C) Explain the role of Physiotherapy in Disability Inclusive Disaster Management Strategies. (5)
- 3D) Explain the interplay of race, gender, and disability in the Indian Context and how it leads to health inequity. (5)
- 4A) List TWO aids used for the inclusive education of school-going children with disabilities. (2)
- 4B) List TWO roles of Physiotherapy in the early rehabilitation of individuals with disabilities following disaster. (2)
- 4C) What are the social determinants of health? (2)
- 4D) List TWO implications of climate change on the health of persons with disability. (2)
- 4E) What is ableism? (2)

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MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHT SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: PTH4242 - PROGRAM ELECTIVE - II : CANCER REHABILITATION
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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| 1) | Explain physiotherapy management for sequelae for surgical complications in brain tumor rehabilitation. | (10) |
| 2) | Classify the types and explain the uses and side effects of chemotherapy. | (10) |
| 3A) | Outline the methods of evaluating cancer related fatigue. | (5) |
| 3B) | List and outline the role of physiotherapy in breast cancer rehabilitation. | (5) |
| 3C) | Summarize an evidence-based exercise program in cancer related lymphedema. | (5) |
| 3D) | Outline the surgery related complications in head and neck cancer survivors. | (5) |
| 4A) | List the risk factors of cancer. | (2) |
| 4B) | Name any two malignant bone tumors. | (2) |
| 4C) | What is palliative care? | (2) |
| 4D) | List any two side effects of radiation therapy. | (2) |
| 4E) | Outline the role of psychologist in cancer rehabilitation. | (2) |

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