

Question Paper

Exam Date & Time: 23-Apr-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER MPT (CARDIOPULMONARY SCIENCES) DEGREE EXAMINATION - APRIL 2022
SUBJECT: MPT 701.1 - GENERAL IN CARDIOPULMONARY SCIENCES
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain about the mechanisms for dyspnoea. What should be management strategy for dyspnoea. (20)
(10+10 = 20 marks)
- 2) How will you do Respiratory muscle training? What are devices used? Explain. (20)
- 3A) What are bronchial hygiene therapy techniques? (10)
- 3B) How will you increase lung volume and capacity in a patient with low compliance? (10)
- 3C) Explain cancer rehabilitation after radical mastectomy. (10)
- 3D) Explain renal rehabilitation for a patient on haemodialysis. (10)
- 4A) What are important components of diabetic foot assessment. (5)
- 4B) How laser may help in diabetic foot ulcer? (5)
- 4C) Write a brief note on post-operative pain. (5)
- 4D) Write briefly about Modes of mechanical ventilator. (5)

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MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER MPT (PEDIATRICS) - PAEDIATRICS NEUROLOGY DEGREE EXAMINATION - APRIL 2022
SUBJECT: MPT 701.6 - GENERAL IN PAEDIATRICS
(2018 SCHEME)

Answer ALL questions.

Marks: 100

Duration: 180 mins.

- 1) Describe Developmental Surveillance and Screening. Outline the psychometric properties of developmental screening tools. Add a note on factors affecting implementation of developmental screening. (25)
(10+10+5 = 25 marks)
- 2) Describe in detail the physiotherapy assessment and management for infants and children on non-invasive respiratory support. Add a note on play based lung expansion therapy strategies. (25)
(10+10+5 = 25 marks)
- 3A) Task based neuro-physiotherapy treatment approaches. (ANY TWO) (10)
- 3B) Sports performance evaluation in children. (10)
- 3C) Physiotherapy management of Congenital Talipes Equino Varus. (10)
- 3D) Aquatic therapy in Down Syndrome. (10)
- 3E) Oromotor Rehabilitation. (10)

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