

# Question Paper

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



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BPT DEGREE EXAMINATION - SEPTEMBER 2022  
SUBJECT: PTH1201 - THEORETICAL CONCEPTS IN BASICS OF EXERCISE THERAPY - II  
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

Draw diagrams wherever necessary

- 1) Define active movements. Explain the technique of active assisted exercises. Discuss the effects and uses of active assisted exercises. (20)  
(2+10+8 = 20 marks)
- 2) Explain the principles of breathing exercises. Discuss the effects of breathing exercises. Describe the procedure of diaphragmatic breathing exercises. (20)  
(6+6+8 = 20 marks)
- 3) Define postural drainage. Discuss the procedure for postural drainage for the lingula. List the precautions of postural drainage. (10)  
(2+6+2 = 10 marks)
- 4) What is suspension therapy? Based on the point of suspension, classify and explain the types of suspension? (10)  
(2+8 = 10 marks)
- 5A) Describe the trick movements observed with the axillary nerve palsy and radial nerve palsy. (5)
- 5B) Classify therapeutic massage. (5)
- 5C) Brief the additional methods of promoting relaxation. (5)
- 5D) List the uses of ANY FIVE immovable equipments used in therapeutic gymnasium. (5)
- 5E) Explain the effects and uses of hydrotherapy. (5)
- 5F) Classify passive movements. (5)
- 6A) Enumerate types of trick movements. (2)
- 6B) Mention ANY TWO indications for passive movements. (2)
- 6C) Mention ANY TWO precautions to be taken during postural drainage. (2)
- 6D) Mention ANY TWO techniques of general relaxation. (2)
- 6E) What is pursed-lip breathing? (2)

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# Question Paper

Exam Date & Time: 27-Sep-2022 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BPT DEGREE EXAMINATION - SEPTEMBER 2022  
SUBJECT: PTH1202 - THEORETICAL CONCEPTS IN ELECTROTHERAPY - I  
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Explain in detail the physiological and therapeutic effects of Ultrasound therapy. (10)  
(5+5 = 10 marks)
- 2) Explain in detail principles and methods of application of Shortwave diathermy. Add a note on precautions during the application of Shortwave diathermy. (10)  
(8+2 = 10 marks)
- 3A) Describe the physiological effects of Microwave diathermy. (5)
- 3B) Discuss the physiological effects of Ultraviolet therapy. (5)
- 3C) Describe the indication and contraindications for the application of Infrared radiation therapy. (5)  
(2½+2½ = 5 marks)
- 3D) Discuss the properties and indications of low level LASER therapy. (5)  
(3+2 = 5 marks)
- 4A) List the contraindications for Extracorporeal shockwave therapy. (2)
- 4B) Enumerate types of ultraviolet radiation. (2)
- 4C) Mention modes of therapeutic ultrasound. (2)
- 4D) Enumerate different types of electrode used in shortwave diathermy. (2)
- 4E) Classify therapeutic currents. (2)

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