

# Question Paper

Exam Date & Time: 27-May-2024 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024  
SUBJECT: PTH1201 - THEORETICAL CONCEPTS IN BASICS OF EXERCISE THERAPY - II  
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Define Postural Drainage. Outline the techniques aiding postural drainage. Describe in detail the postural drainage for lower lobes of the lung. (20)  
(2+8+10 = 20 marks)
- 2) Classify breathing exercises and summarize the effects of breathing exercises. Explain the procedure of performing breathing exercises. (20)  
(5+5+10 = 20 marks)
- 3) Explain the methods of promoting general relaxation. (10)
- 4) Explain the types and techniques of suspension therapy. (10)
- 5A) Outline the physiological mechanisms of achieving muscle relaxation. (5)
- 5B) Select any two equipment from therapeutic gymnasium and explain its uses. (5)
- 5C) Explain the principles of passive movements. (5)
- 5D) Explain the types of trick movements with examples. (5)
- 5E) Enumerate the physiological effects of therapeutic massage. (5)
- 5F) Explain the effects and uses of hydrotherapy. (5)
- 6A) Illustrate Bronchopulmonary segments. (2)
- 6B) Define Trick Movements. (2)
- 6C) Outline the effects of pursed lip breathing. (2)
- 6D) List the uses of swiss ball in therapeutic gymnasium. (2)
- 6E) List the passive accessory movements. (2)

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# Question Paper

Exam Date & Time: 29-May-2024 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024  
SUBJECT: PTH1202 - THEORETICAL CONCEPTS IN ELECTROTHERAPY - I  
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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| 1)  | Outline the contraindications for shortwave diathermy. Explain the methods of application in short wave diathermy.<br>(4+6 = 10 marks) | (10) |
| 2)  | Explain the properties and production of therapeutic ultrasound. What is the water bath method in ultrasound?<br>(7+3 = 10 marks)      | (10) |
| 3A) | Explain the physiological and therapeutic effects of Ultraviolet radiation therapy.<br>(3+2 = 5 marks)                                 | (5)  |
| 3B) | Outline the indications, contraindications of Infrared radiation therapy.<br>(2+3 = 5 marks)   | (5)  |
| 3C) | Explain the methods of application in microwave diathermy.   | (5)  |
| 3D) | Explain the properties and uses of low level LASER therapy.<br>(3+2 = 5 marks)   | (5)  |
| 4A) | List ANY TWO properties of galvanic current.   | (2)  |
| 4B) | List ANY TWO indications for extracorporeal shockwave therapy.   | (2)  |
| 4C) | List the types of ultraviolet radiation therapy.   | (2)  |
| 4D) | List ANY TWO dangers of therapeutic ultrasound.  | (2)  |
| 4E) | List ANY TWO properties of shortwave diathermy.  | (2)  |

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