

# Question Paper

Exam Date & Time: 07-Jun-2019 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2019

SUBJECT: BPT 102 - BASICS OF EXERCISE THERAPY - II

(2016 RV SCHEME)

Friday, June 07, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

### Answer all questions.

- 1A) Define goniometry. Explain the principles of goniometry. Describe in detail the method of measuring the range of motion of Radial and ulnar deviation of wrist joint. (20)  
(2+10+8 = 20 marks)
- 1B) Define and classify passive movements. Describe in detail the principles of passive movements. Briefly write about the effects and uses of passive movements. (20)  
(2+4+10+4 = 20 marks)
- 2A) What are the effects and uses of effleurage and stroking techniques in massage. (10)
- 2B) Explain the types of suspension along with its uses. (10)

### 3) Short notes:

- 3A) What are the demerits and merits of massage therapy? (5)
- 3B) Briefly write the method of girth measurement of thigh. (5)
- 3C) Describe the effects and uses of hydrotherapy. (5)
- 3D) Discuss the types of goniometers. (5)
- 3E) What are the indications and contraindications for giving passive movements? (5)
- 3F) Explain the parts of a suspension unit. (5)

### 4) Brief answers:

- 4A) What is buoyancy? (2)
- 4B) Define fulcrum. (2)
- 4C) Mention the normal range of motion of hip flexion and hip extension. (2)
- 4D) Mention any two indications of limb length measurement. (2)
- 4E) Mention the plane and axis in which shoulder flexion and extension happens using suspension therapy. (2)

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# Question Paper

Exam Date & Time: 11-Jun-2019 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2019

SUBJECT: BPT 104 - ELECTROTHERAPY - I

(2016 RV SCHEME)

Tuesday, June 11, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1A) Define faradic current. Explain the physiological effects of faradic currents. Describe any four indications for faradic currents. (20)  
(2+10+8 = 20 marks)
- 1B) Name the types of peripheral nerve injuries. Explain the types of strength duration curves with the help of neat labelled graphs. List the advantages and disadvantages of strength duration curve. (20)  
(3+12+5 = 20 marks )
- 2A) Discuss the modes of TENS. (10)
- 2B) Explain the pain gate theory. (10)
- 3A) Briefly describe Faradic galvanic test and its interpretation. (5)
- 3B) Physiological effects of interferential currents (5)
- 3C) Faradism under pressure (5)
- 3D) Electrode placements in Transcutaneous electrical nerve stimulation (5)
- 3E) Faradic foot bath (5)
- 3F) Physiological effects of sinusoidal Currents (5)
- 4A) Define chronaxie. (2)
- 4B) Mention the types of electrodes used in Interferential therapy. (2)
- 4C) Name the receptors for pain sensation. (2)
- 4D) What is the principle of interferential therapy? (2)
- 4E) What is resting membrane potential? (2)

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