

Question Paper

Exam Date & Time: 29-Feb-2020 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER BPT DEGREE EXAMINATION - FEBRUARY/MARCH 2020
SUBJECT: BPT 409 - COMMUNITY PHYSIOTHERAPY I
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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| 1) | Rating of Permanent Physical impairment of upper limb conditions. | (10) |
| 2) | What is Barrier free Environment? Discuss the principles of universal design with appropriate examples. | (10) |
| 3A) | Compare and contrast CBR and IBR. | (5) |
| 3B) | Explain in detail about the domains of ICF. | (5) |
| 3C) | Explain the barrier modifications for wheelchair usage in toilets. | (5) |
| 3D) | Scope of rights of persons with disabilities act. | (5) |
| 4A) | Components of CBR matrix. | (2) |
| 4B) | Any two social barriers. | (2) |
| 4C) | List four components assessed as a part of mobility component in lower extremity disability evaluation. | (2) |
| 4D) | Two barrier modifications to be adapted in corridors. | (2) |
| 4E) | What is transdisciplinary approach in rehabilitation? | (2) |

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Question Paper

Exam Date & Time: 05-Mar-2020 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER BPT DEGREE EXAMINATION - FEBRUARY/MARCH 2020
SUBJECT: BPT 407 - CARDIO-PULMONARY PHYSIOTHERAPY I
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Discuss weaning criteria for Mechanical Ventilation and Explain any TWO modes of Mechanical Ventilation. Write a brief note on non-invasive mechanical ventilation. (20)
(5+10+5 = 20 marks)
- 2) Explain Lung expansion therapy under the following heading: technique, Indications, contraindications for incentive spirometry and Intermittent positive pressure breathing. (20)
(10+10 = 20 marks)
- 3) Explain mucocilliary escalator and cough mechanism. (10)
(5+5 = 10 marks)
- 4) What are the types of Intensive care unit(ICU), add a note on physiotherapy monitoring and assessment in ICU. (10)
(3+7 = 10 marks)
- 5A) Mention the types of Heat Moisture Exchanger and its advantages & disadvantages. (5)
- 5B) Write any five differences of pulmonary function test between obstructive and restrictive lung disease. (5)
- 5C) Write any five anatomical and physiological differences between Adult and Pediatric respiratory system. (5)
- 5D) Discuss Indications for Therapeutic Positioning. (5)
- 5E) Describe the anatomy of bronchial tree. (5)
- 5F) Explain different motions of the chest wall during breathing (5)
- 6A) Write any FOUR oxygen delivery devices. (2)
- 6B) Finger clubbing. (2)
- 6C) Any TWO preventive measures of bed sore. (2)
- 6D) Mention any two bronchodilator drug. (2)
- 6E) Any TWO chest X-ray changes in chronic obstructive pulmonary disease. (2)

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