

Question Paper

Exam Date & Time: 07-Dec-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER BPT DEGREE EXAMINATION - DECEMBER 2019

SUBJECT: BPT 409 - COMMUNITY PHYSIOTHERAPY I

(2016 SCHEME)

Saturday, December 07, 2019 (14.00 - 16.00)

Marks: 50

Duration: 120 mins.

Essay:

- 1) Define barrier. Explain its types and steps involved in modifying architectural barrier. (10)
(2+2+6 = 10 marks)
- 2) Explain the procedure for evaluation of permanent physical impairment of upper limb and lower limb. (10)
(5+5 = 10 marks)
- 3) **Short Notes:**
 - 3A) Explain any five features of PWD act. (5)
 - 3B) Write in brief about CBR matrix. (5)
 - 3C) Explain the types of CBR program evaluation. (5)
 - 3D) Describe the any five principles of universal design. (5)
- 4) **Brief Notes:**
 - 4A) Mention Kessler's formulae. (2)
 - 4B) Define disability. (2)
 - 4C) Mention any two assistive devices used by stroke patients in the community. (2)
 - 4D) List out any two home management strategy for patients with COPD. (2)
 - 4E) What is medical model of disability? (2)

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Question Paper

Exam Date & Time: 06-Dec-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER BPT/BOT DEGREE EXAMINATION - DECEMBER 2019

SUBJECT: BPT 405/BOT 405 - SOCIOLOGY

(2016 SCHEME)

Friday, December 06, 2019 (14.00 - 16.00)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) What is social control? Write the meaning of norms and explain its role in the regulation of human behavior. (10)
(2+8 = 10 marks)
 - 2) Define socialization. Explain the process of socialization. (10)
(2+8 = 10 marks)
 - 3A) What is culture? In what way it influences health and health disorder? (5)
(2+3 = 5 marks)
 - 3B) Suggest measures to prevent beggary. (5)
 - 3C) What is the role of a medical social worker? (5)
 - 3D) In what way the knowledge of sociology is useful for the physiotherapists and occupation therapists? (5)
 - 4A) Define class system. (2)
 - 4B) Mention any four factors which affect nutrition. (2)
 - 4C) Who are the tribals? (2)
 - 4D) Decision making in treatment (2)
 - 4E) What is social security? (2)
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Question Paper

Exam Date & Time: 03-Dec-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER BPT DEGREE EXAMINATION - DECEMBER 2019

SUBJECT: BPT 407 - CARDIO-PULMONARY PHYSIOTHERAPY I

(2016 SCHEME)

Tuesday, December 03, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Describe postural drainage positions for right middle lobe and right superior segment of lower lobe. Discuss the indications and contraindications of postural drainage. Describe Active cycle of breathing technique (ACBT). Write a note on Passover type of humidifier. (6+4+4+6 = 20 marks) (20)
- 2) Discuss the indications and complications of oxygen therapy. Explain the types of Oxygen delivery system. (10+10 = 20 marks) (20)
- 3) Discuss any five Neurophysiologic facilitation of breathing techniques. (10)
- 4) Explain Synchronized Intermittent Mandatory Ventilation. Write a note on complications of invasive positive pressure ventilation. (5+5 = 10 marks) (10)
- 5) Answer the following questions:
 - 5A) Write about the anatomical difference between Adult and paediatric respiratory system. (5)
 - 5B) Describe the use of Forced Expiratory Volume in 1 second (FEV1) and Forced Vital Capacity (FVC) in the diagnosis of chronic respiratory disease. Write a note on Peak Expiratory Flow Rate (PEFR). (3+2 = 5 marks) (5)
 - 5C) Identify the acid base disorder. pH - 7.28, HCO₃ - 22 mEq/L, PaO₂- 92 mm Hg, PaCO₂ - 64 mm Hg. Write any three probable causes of the same. (2+3 = 5 marks) (5)
 - 5D) Discuss the "pump handle" and "bucket handle" movement of the thorax during respiration (5)
 - 5E) Discuss any five benefits of early mobilization. (5)
 - 5F) Discuss physiotherapy management of traumatic brain injury in ICU. (5)

- 6) **Answer the following in brief:**
- 6A) Write any one difference between Wheeze and Crepitation. (2)
- 6B) Write any two strategies to prevent Ventilator Associated Pneumonia. (2)
- 6C) Write any two antihypertensive drugs. (2)
- 6D) Write any two radiological features of pneumothorax. (2)
- 6E) Write about Collateral channels of ventilation. (2)

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