

Question Paper

Exam Date & Time: 16-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. RESPIRATORY THERAPY DEGREE EXAMINATION - MAY 2022
SUBJECT: BRES 304 - CHRONIC RESPIRATORY DISEASE MANAGEMENT
(2016 SCHEME)

Answer ALL questions.

Marks: 50

Duration: 120 mins.

- 1) What are the outcome assessment domains? (10)
- 2) What are the pathophysiologic changes in Bronchial Asthma? Write a note on specific rehabilitation approach in Bronchial Asthma patients. (10)
(4+6 = 10 marks)
- 3A) What are the various Dyspnoea Measurement methods in Pulmonary Rehabilitation? (5)
- 3B) Shuttle Walk Distance Test. (5)
- 3C) What are the Prevention strategies in Pulmonary Rehabilitation? (5)
- 3D) Write a note on Lung Volume Reduction surgery. (5)
- 4A) Define Pulmonary Rehabilitation. (2)
- 4B) What are the stages of Smoking Cessation Campaign? (2)
- 4C) Name the Breathing techniques used in Pulmonary Rehabilitation. (2)
- 4D) Calculate the MET level for walking 10 meters In six minutes. (2)
- 4E) Mention the essential components of Pulmonary Rehabilitation. (2)

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Question Paper

Exam Date & Time: 20-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. RESPIRATORY THERAPY DEGREE EXAMINATION - MAY 2022
SUBJECT: BRES 306 - MECHANICAL VENTILATION II
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

Long Answer:

- 1) While receiving mechanical ventilation a patient develops tachycardia, tachypnea along with suprasternal retractions. On inspection of the chest an RT notes absent chest rise on right side with hyper resonant on percussion. How will you proceed to further evaluation? Explain the management (10)
(4+6 = 10 marks)
- 2) Write the Indications and selection criteria for non-invasive ventilation in acute care settings. Steps for initiating NIV. (10)
(4+2+4 = 10 marks)

3. Short Answer :

- 3A) List the causes for high pressure alarm and how will you troubleshoot airway related causes? (5)
- 3B) Write the criteria for the assessment of readiness to wean (5)
- 3C) Initial ventilator parameters in high frequency oscillatory ventilation (5)
- 3D) Indications and advantages of airway pressure release ventilation (5)

4. Very Short Answer :

- 4A) Write four risk factors for developing ventilator associated pneumonia (2)
- 4B) Draw a pressure time graph for increased resistance and decreased compliance during a static condition (2)
- 4C) List the physiologic criteria for non-invasive ventilation initiation in acute care setting (2)
- 4D) Define Trigger asynchrony (2)
- 4E) Write four indications for high frequency oscillatory ventilation in neonates (2)

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Question Paper

Exam Date & Time: 18-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. RESPIRATORY THERAPY / B.Sc. RENAL REPLACEMENT THERAPY & DIALYSIS
TECHNOLOGY / B.Sc. CARDIO VASCULAR TECHNOLOGY / B.Sc. EMERGENCY MEDICAL TECHNOLOGY/VIII
SEMESTER BOT DEGREE EXAMINATION - MAY 2022
SUBJECT: PSYC 402 - CLINICAL PSYCHOLOGY
(2016/2019 SCHEME)

Marks: 50

Duration: 120 mins.

Write essays on :

- 1) Elaborate on the different perspectives of the concepts of normality and abnormality (10)
- 2) Explain in detail, any two techniques used in behaviour therapy (with examples) (10)

3. Write short notes on:

- 3A) Psychotic Disorders (5)
- 3B) Supportive Psychotherapy (5)
- 3C) Psychodynamic model of mental disorders (5)
- 3D) Impact of stress on mental illness. (5)

4. Write very short notes on:

- 4A) Coping (2)
- 4B) Anxiety (2)
- 4C) Borderline personality disorder (2)
- 4D) Counselling (2)
- 4E) Unconditional positive regard (2)

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