Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – MARCH 2018

Time: Three Hours | Max. Marks: 100 Marks

INTRODUCTION TO RESPIRATORY CARE TECHNOLOGY (RS)

Q.P. CODE: 1239

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Pulmonary Function Test (PFT) various methods in bedside
2. Chronic Obstructive Pulmonary Disease (COPD) and management
3. Arterial Blood Gas (ABG) management in various condition

SHORT ESSAYS (Answer any Twelve) 12 x 5 = 60 Marks

4. Hypoxemic respiratory failure
5. Functions of cardiovascular system
6. Skin in various condition
7. Diffusion impairment
8. Hyperbaric oxygen therapy
9. Hazards of aerosol therapy
10. Breathing exercise
11. Bland aerosol therapy
12. Lung volumes and capacities
13. Abdominal examination
14. Normal ECG and its physiology
15. Cardiac cycle
16. Upper respiratory tract
17. Hand washing technique

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

18. High flow system
19. Transmission route
20. Pulmonary circulation
21. Cardiac output in brief
22. Heart block in brief
23. General appearance
24. Causes of respiratory acidosis
25. Signs and symptoms of neurological system
26. Conduction system of the heart
27. Compressed gas cylinders
28. Factors affecting humidity therapy
29. Indications / contraindications of chest physiotherapy

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II Year B.Sc. Respiratory Care Technology Degree Examination – MARCH-2018

Time: Three Hours | Max. Marks: 80 Marks

Medicine Relevant to Respiratory Care Technology (RS)

Q.P. CODE: 1240

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. What is ARDS (Adult Respiratory Distress Syndrome) causes and management?
2. Criteria for weaning patients from a Ventilator
3. What is pulmonary edema? Describe management of acute pulmonary edema.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Status Asthmaticus
5. Smoke inhalation
6. OP poisoning
7. Define COPD.
8. Morbid obesity and lung complications
9. Effect of narcotics on respiratory system
10. Define terms compliance and resistance.
11. Lung complication of coal miners
12. Status epilepticus significance for respiratory care therapist
13. Burns and the respiratory system

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

14. Name three uses of pulmonary function test.
15 Pneumothorax
16. Postural drainage
17. Wrights respirometer
18. Asbestosis
19. Lung abscess
20. Name three anti hypertensive
21. Acute bronchitis
22. Septic shock
23. Cigarette smoking and lung complication
24. Tropical eosinophilia
25. Atypical pneumonia

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – SEP-2018

Time: Three Hours | Max. Marks: 100 Marks

Introduction to Respiratory Care Technology (RS)

Q.P. CODE: 1239

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Chest physiotherapy and various postural drainage
2. Humidity therapy and various technique and disadvantages and advantages
3. Pulmonary Function Test (PFT) various bed side method

SHORT ESSAYS (Answer any Twelve) 12 x 5 = 60 Marks

4. Blood pressure
5. Abnormal breath sounds
6. Symptoms of cardiovascular disease
7. Isolation procedures
8. Small volume nebulizer therapy
9. Corticosteroids and its disadvantages
10. Aerosol output
11. Nitric oxide
12. Aspects of non verbal communications
13. Inspection / palpation of the respiratory system
14. Temperature conversion
15. Arrhythmias
16. Lung expansion therapy
17. Factors affecting aerosol therapy

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

18. Fevi / FVC ratio
19. Bronchospasm
20. Types of respiratory failure
21. Assessment of O2 therapy
22. Symptoms of Cardiovascular disease
23. Goals of O2 therapy
24. Chambers of the heart
25. Respiratory rate
26. Methods controlling gas flows
27. Lower respiratory tract
28. Spread of infection to the lungs
29. Properties of gases

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II Year B.Sc. Respiratory Care Technology Degree Examination – SEP-2018

Time: Three Hours | Max. Marks: 80 Marks

Medicine Relevant to
Respiratory Care Technology (RS)
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Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Discuss about ARDS in detail
2. Discuss in detail about the causes, pathophysiology and management of hospital acquired pneumonia.
3. Discuss the causes and management of Pulmonary Oedema.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Bronchodilators
5. Acute lung injury
6. Signs and causes of respiratory failures.
7. Symptoms of IHD
8. PFT
9. Emphysema
10. Obesity
11. Shock and types
12. Toxic inhalation
13. Complications of hypertension

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

14. Decortication
15 Treatment for GB syndrome
16. Pulmonary Tuberculosis
17. Poliomyelitis
18. Diseases of chest wall
19. List out the viral infections of the lung
20. Antihypertensives
21. Treatment for Asthma
22. Airway resistance
23. Lung complication
24. List out the types of respiratory failures
25. Problems associated with Obesity

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