Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – APRIL 2017

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. ECG – Physiology and technique and findings in Ischemia and MI
2. Limitations of chest X-ray
3. Arterial Blood Gas Analysis (ABG) monitoring and management in respiratory disorder.

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

4. Characteristics of cardiac cells
5. Postural drainage
6. States of matter
7. Incentive spirometry
8. Sterilization and various techniques
9. PCo2, normal value and explain CO2 narcosis
10. Abnormal breathing pattern
11. Level of consciousness
12. Risk factors and pathophysiology Chronic Obstructive Pulmonary Disease (COPD)
13. Types of humidifiers
14. Hazards of O2 therapy
15. Gas laws
16. Dyspnea grades
17. Mucus controlling agents

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

18. Flow restricters
19. Cough reflex
20. Postural drainage
21. Examination of precardium
22. Limitations of pulmonary function test
23. Low flow system
24. Adrenergic bronchoclilators
25. Airway reactivity
26. Airway clearance techniques
27. Segmental breathing Exercise
28. Venturi principle
29. Difference between PA/AP view

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II Year B.Sc. Respiratory Care Technology Degree Examination – APRIL 2017

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. Causes and management of pulmonary edema
2. Pulmonary function test finding in obstructive and restrictive lung disease
3. Define respiratory failure, cause, types and management.

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

4. ARDS
5. Bronchodilators
6. Obesity related problems in ICU
7. AIDS
8. Lung abscess and management
9. Tropical eosinophila
10. Poliomyelitis
11. Status asthamaticus
12. Treatment of poisoning due to narcotics
13. Weaning criteria after prolonged mechanical ventilation

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

14. Common viral infection
15. Myasthenia gravis
16. Anti epilepticus for status epilepticus
17. Treatment of GB syndrome
18. PFT
19. Anti hypertensives
20. Pleuritis
21. Chronic bronchitis
22. COPD
23. Methemoglobinemia
24. Occupational lung
25. Diabetes mellitus

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – SEP-2017

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. Discuss in detail –chest physiotherapy and various positional drainage.
2. Signs and symptoms of respiratory system. Examination of respiratory system
3. Describe normal ECG – basic principles interpretations.

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

4. Aerosol therapy
5. Gas Lows
6. Isolation procedure
7. Interpretation of PFT
8. Flow meters
9. Oxygen delivery methods
10. Autoclaving
11. Oro pharyngeal airway and its use
12. Examination of nervous system
13. Alarms and safety mechanisms
14. Assessment of vital signs
15. Altered sensorium
16. Air components
17. Pin index system

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

18. Residual volume
19. Humidity
20. Hazards of aerosol therapy
21. Indications of oxygen therapy
22. Examination of skin
23. Hypokalemia and management
24. Abnormal breath sounds
25. Hand washing and various technique
26. High gas flow equipment
27. Universal precaution in ICU
28. PFT finding in COPD
29. Color coding of cylinders

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – SEPT 2017

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. Define respiratory failures, explain the causes, types and management
2. Discuss the causes and management of GullianBarre syndrome
3. Define shock add a note on types and management

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

4. ECMO
5. Atypical pneumonia
6. COPD
7. Status epilepticus
8. Pulmonary tuberculosis
9. Weaving criteria after prolonged mechanical ventilation
10. Diseases of mediastinum
11. Occupational lung
12. Sepsis
13. Respiratory problems in children

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

14. Antihypertensives
15 Methmoglobinemia
16. Bronchial Asthma
17. Antiepileptic for status asthmaticus
18. Fungal infections
19. Bronchodilators in asthma
20. Near drowning
21. Pleuritis
22. List out the types of Shock
23. Diseases of Pleura
24. Pneumothorax
25. Antidiabetic medication

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