Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – APRIL - 2015

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. Humidity therapy
2. Chest X-Ray
3. Explain Bronchodilator briefly.

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

4. Hazards of oxygen therapy
5. Blood pressure
6. Postural drainage
7. Alarms and safety revises
8. Skin examination
9. PFT in diseases and their significance
10. Abdomen
11. ET suctioning
12. High flow systems
13. Respiratory acidosis
14. Hazards and complications of IPPB
15. Anti cholinergic drugs
16. Topography of heart
17. Factors governing humidity therapy

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

18. Air entertainment principle (Venturi)
19. Indications and contraindications of PFT
20. Colour coding
21. Indications and contraindications in incentive spirometry
22. Temperature conversion
23. Flow restrictors
24. Symptoms of cardiovascular disease
25. Physiological effects of aerosol therapy
26. Conducting system of heart
27. Diameter index safety system
28. Abnormal breath sounds
29. Alarms in gas supply

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II Year B.Sc. Respiratory Care Technology Degree Examination – APRIL 2015

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. Occupation lung diseases
2. ARDS – causes, pathphysiology, management
3. OP poisoning

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

4. Palmary tuberculosis
5. Sepsis
6. Respiratory of failure
7. Lung complications
8. Status asithmeticus
9. Bornchodilators
10. Myastheria gravis
11. Atypical pneumonia
12. Pulmonary edems
13. Hospital acquired preumonia

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

14. PFT
15 AIDS
16. Topical eosinophilla
17. Lung abscess
18. Complications of DM
19. Toxic inhelation
20. COPD
21. Viral infection
22. Mediastinitis
23. Status epilepticus
24. Prengent patient respiratory changes
25. GB syndrome

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – SEPTEMBER 2015

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. Examination of respiratory system. Discuss signs and symptoms of respiratory disease and tactile vocal fermitus.
2. Pulmonary function test. Describe obstructive and restrictive disease.
3. Describe acute respiratory distress syndrome – causes, pathophysiology and treatment.

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

4. Hazards of oxygen therapy
5. Alarms and safety system
6. Simple oxygen administration devices
7. Hand washing techniques
8. Colour coding of gas cylinder
9. Pin index safety system
10. Humidity therapy
11. Interpretation of ECG
12. Assessment of vital signs
13. Hypoxia – definition, types and management
14. Techniques of chest physiotherapy
15. Aerosol therapy
16. Postural drainage
17. Bronchodilators and its applications

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

18. Gas laws
19. Arterial oxygen saturation
20. Contraindications of chest physiotherapy
21. Reducing valve
22. Various types of communications
23. Symptoms of cardiovascular disease
24. Flow meters
25. Types of humidifiers
26. Diameter index safety system
27. Nasopharyngeal airways
28. Oxygen concentrators
29. Functions of nose

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – SEPTEMBER 2015

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. Discuss the respiratory problem in children and its management.
2. Define chronic obstructive pulmonary disease – causes, pathophysiology, diagnosis and its treatment.
3. Discuss about pulmonary tuberculosis.

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

4. Smoke inhalation and its treatment
5. Ventilatory management in ARDS
6. Myasthenia gravis and its treatment
7. Bronchitis – causes and treatment
8. Management of tropical esnophilia
9. Acute lung injury and its causes and management
10. Management of respiratory failure
11. Treatment of hypertension
12. Meconium aspiration
13. Permissive hypercapnea

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

14. Common fungal infections
15. Treatment of GB syndrome
16. Botulism
17. Management of community acquired pneumonia
18. Cor pulmonale
19. OP poisoning and three drugs
20. Causes of ARDS
21. Pulmonary edema
22. Management of emphysema
23. Pleuritis and its causes
24. Write three abnormal conditions affecting in the chest wall.
25. Treatment of diabetes mellitus

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