Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – OCT-2019

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 including Postural drainage
2. O_2 therapy
3. Chest X-Ray

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

4. E.C.G. Principles/ Normal E. C. G.
5. Abdomen
6. Assessment of palpation of the chest
7. Isolation procedures
8. Small volume nebulizer
9. Hazards of aerosol therapy
10. Pulmonary Oedema
11. Sinus brady/ Tachy/ Heart block
12. Gama mechanism
13. Dead space ventilation
14. Narcosis
15. Sterilization
16. Pulsation
17. Gas Laws

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

18. Color coding
19. Identification of imaginary lines CT chest
20. Respiration
21. States of matter
22. Obstructive / Restrictive disorders of the lung
23. O2 toxicity
24. Normal spirometry
25. Spacers
26. Example for Xanthine bronchodilators
27. Postural drainage Rt and Lt lower lobe
28. Heart rate
29. Symptoms of cardiovascular diseases

Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – OCT-2019

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. Pulmonary tuberculosis
2. Discuss management and causes of Gullian Barre syndrome.
3. Pulmonary edema – causes, pathophysiology and management

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

4. ECMO
5. Primary pulmonary hypertension management
6. Management of ARDS
7. Types of shock
8. Pulmonary complications of pneumoconiosis
9. Toxic inhalation
10. Positioning and drainage
11. Septic shock
12. Management of OP poisoning
13. Respiratory failure types and management

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

14. Status epileptics
15. Respiratory diseases in children and common symptoms
16. Acute lung injury
17. Myasthenia gravis
18. Near drowning
19. Bronchodilators in asthma
20. Pleurius
21. Chronic bronchitis
22. Pneumoconiosis
23. Tropical eosinophilia
24. Pneumothorax
25. COPD

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – APRIL-2019

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. Explain about Spirometry. Indications, contraindications, and interpretations.
2. Examination of respiratory system
3. Oxygen therapy and its toxicity

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

4. Assessment of vital signs
5. Smoke inhalation
6. Flow meter
7. Anti TB drugs
8. Topographical land marks of thorax
9. Indications of chest physiotherapy
10. Isolation procedure
11. Aerosol therapy
12. Types of breath sounds
13. Chest x-ray
14. Arterial oxygen saturation
15. Altered sensorium
16. Alarm and safety mechanism
17. Pin index system

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

18. Anti retro viral drugs
19. Vital capacity
20. Reducing valve
21. Non verbal communication
22. Specific gravity
23. Density of urine
24. Symptoms of cardiovascular disease
25. Oxygen mask
26. Oro pharyngeal suction
27. Broncho dilators
28. Examination of pulse
29. Symptoms of tuberculosis

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – APRIL-2019

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. Describe chronic bronchitis and its treatment. How does it differ from Asthma?
2. Discuss various causes of breathlessness. How do you differentiate between Cardiac and Respiratory origin?
3. Pulmonary tuberculosis

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

4. Pulse Oximeter, uses at the bedside
5. Respiratory illness and the elderly patient
6. Pregnancy and lung volumes and capacities
7. Lungs in drowning
8. Complications of Diabetes Mellitus
9. Community acquired pneumonia
10. Status asthmaticus
11. Aspiration pneumonia
12. AIDS and the lungs
13. Chest wall deformities

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

14. Broncho dilators
15 Emphysema
16. Pneumoconiosis
17. Smoke inhalation
18. Asbestosis
19. Childhood asthma
20. Empyema
21. Fungal infections of lungs
22. Lung abscess
23. Bronchitis
24. Narcotics
25. Morbid obesity

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