

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
Third Year
Non-Semester Regulations and Eighth Semester
(Modified / New Modified Regulations)
Paper III - PHYSIOTHERAPY FOR CARDIO RESPIRATORY
DISEASES

Q.P. Code : 745186

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams wherever necessary

I. Essays:

(2 x 15 = 30)

1. Discuss the role of breathing exercise in physiotherapy management
2. Discuss the cardiac rehabilitation programme for 45 years old man following triple artery bypass graft after myocardial infarction.

II. Short Notes :

(10 x 5 = 50)

1. Dead space and PT techniques- discuss
2. Cardiac catheterization
3. Glossopharyngeal respiration
4. Physiotherapy in the first 48 hours following coronary thrombosis
5. Bronchopulmonary segments – illustrate
6. Explain the types of Chest X-rays
7. Importance of acid-base analysis in respiratory disorders
8. Relaxation positions for dyspnea patients
9. Inter costal drainage
10. Auscultation of respiratory systems

III. Short Answer:

(10 x 2 = 20)

1. What are the muscles used for inspiration and expiration?
2. What is pigeon chest?
3. Difference between huffing and coughing.
4. Why there is a fever in chest infection patients?
5. Draw coronary circulation.
6. When you will do endotracheal suctioning?
7. Define blood pressure.
8. Cyanosis
9. Acute Asthma
10. Manual Hyperinflation.

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Draw suitable diagrams wherever necessary

I. Essays: **(2 x 15 = 30)**

1. Describe the PT management for a 35 yr. old male patient who has underwent right pneumonectomy.

2. Describe the etiology, pathology and clinical features of mitral stenosis. Discuss the physiotherapy management after mitral valve replacement surgery.

II. Short Notes : **(10 x 5 = 50)**

1. Role of PT in Atelectasis.
2. Fallot spell.
3. Eisenmenger's Syndrome.
4. Flow volume loop.
5. Autogenic drainage.
6. Cardiac asthma.
7. Forced expiratory technique.
8. Karronen's formula.
9. Aortic regurgitation.
10. Components of the ECG.

III. Short Answer: **(10 x 2 = 20)**

1. Explain the uses of bronchial tree.
2. Perceived exertion (Borg's) scale.
3. Tracheostomy.
4. Percussion and vibration.
5. What are the uses of breathing exercises?
6. Define Bronchial asthma.
7. Conducting system of the heart.
8. Cardiac tamponade.
9. What is kyphoscoliosis?
10. Six minute distance test.

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Answer All questions

Draw suitable diagrams wherever necessary

I. Essays: **(2 x 15 = 30)**

1. Discuss the assisted ventilation. Mention the types of ventilators and their indications in cardio thoracic surgery. Outline the process of weaning the patient from the ventilators.

2. Define postural drainage. Write down the indication and contraindication of postural drainage. Describe the drainage position of right upper lobe of the bronchial tree.

II. Short Notes : **(10 x 5 = 50)**

1. Clubbing.
2. Pursed lip breathing.
3. Factors increasing the systolic blood pressure.
4. Aspiration pneumonia.
5. Humidifiers.
6. Exercise induced asthma.
7. Transpositions of great vessels.
8. Treadmill test.
9. Segmentectomy.
10. Fracture rib.

III. Short Answer: **(10 x 2 = 20)**

1. Indications for shoulder exercises.
2. Draw lung and label its parts.
3. Why physiotherapists should train breathing exercise during walking.
4. How forward lean standing will relax the patient.
5. What are the benefits of postural correction techniques after pulmonary surgery?
6. What is the need to read ECG of myocardial infarction patient before Physiotherapy treatment?
7. Define blood pressure.
8. Cyanosis.
9. Abnormal breath sounds.
10. Glosso pharyngeal breathing exercises.

August 2010

[KX 991]

Sub. Code : 5186

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION

**Third Year Non-Semester Regulations and Eighth Semester
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Paper III - PHYSIOTHERAPY FOR CARDIO RESPIRATORY DISEASES

Q.P. Code : 745186

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary

I. Essays:

(2X15=30)

1. Discuss the principles of Cardiac Rehabilitation for Myocardial Infarction.
2. How does Ankylosing Spondylitis affect the respiratory system? Describe the management of a 25 years old male suffering from Ankylosing Spondylitis and add a home program.

II. Short Notes :

(10X5=50)

1. Explain Muscles of Respiratory System.
2. Give a note on Physiotherapy treatment plan & management of status Asthmaticus.
3. Chest X-Rays.
4. Pulmonary Function Test.
5. Describe exercise for Breathless patients.
6. PT management following Mastectomy.
7. Hiatus Hernia.
8. Modified Postural Drainage.
9. Cough reflex and mechanism.
10. Tetralogy of Fallot.

III. Short Answers:

(10X2=20)

1. How will you assess Chest movements?
2. What is Pigeon Chest?
3. Draw Coronary Circulation.
4. Cor-Pulmonale.
5. Anatomical dead space.
6. Classification of Congenital Heart Disease.
7. Paradoxical breathing.
8. Six minute distance test.
9. Percussion and vibration.
10. Difference between Huffing and Coughing.

February 2011

[KY 991]

Sub. Code : 5186

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION

**Third Year Non-Semester Regulations and Eighth Semester
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Paper III - PHYSIOTHERAPY FOR CARDIO RESPIRATORY DISEASES

Q.P. Code : 745186

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary

I. Essays:

(2X15=30)

1. Describe in brief, the physiotherapy assessment and management for a 45 year old COPD patient.
2. Types of Ventilators, indication for mechanical ventilation, brief in detail the weaning from ventilator.

II. Short Notes :

(10X5=50)

1. Tidal volume and spirometry.
2. Postural drainage.
3. Broncho pleural fistula.
4. PT management in pleurisy.
5. Lateral costal expansion exercises.
6. Deep vein thrombosis and early ambulation.
7. Breath sounds classification and interpretation.
8. Problem oriented Medical Records.
9. Manual hyper inflation.
10. BORG – Rating of perceived exertion scale.

III. Short Answers:

(10X2=20)

1. Diaphragmatic scoop technique.
2. Brady cardia.
3. Dyspnea.
4. Lung compliance.
5. Restrictive lung disease.
6. Bronchiectasis.
7. Status Asthmaticus.
8. Angina.
9. Cystic fibrosis.
10. Glosso pharyngeal breathing.

August 2011

[KZ 6262]

Sub. Code : 6262

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**THIRD YEAR / EIGHTH SEMESTER
P.T. CARDIO RESPIRATORY DISEASES**

Q.P. Code : 746262

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. LONG ESSAYS

(2X20=40)

1. Discuss the role of Physiotherapy in Cardiac Rehabilitation.
2. Describe Cough mechanism giving details about various factors affecting the same. Mention the various methods to drain sputum. Discuss in detail any one method when the cough mechanism is impaired.

II. SHORT NOTES

(8X5=40)

1. Humidification.
2. Relaxation exercises.
3. Deep vein thrombosis.
4. Thoracotomy.
5. Pleurisy.
6. Sputum examination.
7. Atelectasis.
8. Intermittent Positive Pressure Breathing.

III. SHORT ANSWERS

(10X2=20)

1. Diaphragm.
2. Heart rate.
3. Pulses alternans.
4. Huff.
5. V/Q ratio.
6. Pulmonary circulation.
7. Sinoatrial node.
8. Electrocardiogram.
9. Atherosclerosis.
10. Percutaneous Transluminal Coronary Angioplasty.

[LA 6262]

February 2012

Sub. Code: 6262

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**THIRD YEAR / EIGHTH SEMESTER
P.T. CARDIO RESPIRATORY DISEASES**

Q.P. Code: 746262

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2X20=40)

1. Discuss the role of Physiotherapy in ICU.
2. Write in detail the preoperative assessment and post operative management for a 35 year old house wife posted for Thoroctomy

II. Write notes on:

(8X5=40)

1. Bronchial Hygiene
2. Glosso Pharyngeal breathing
3. Assessment of Breathing pattern
4. Rate of perceived exertion
5. Oxygen therapy
6. Components of Electro cardiogram
7. Cough reflex
8. Paradoxical breathing

III. Short Answers:

(10X2=20)

1. Active cycle of breathing
2. Emphysema
3. Broncho plural fistula
4. Clubbing
5. Tachycardia
6. Insufflation
7. Respiratory arrest
8. Cardiac cycle
9. Percussion
10. Status asthmaticus

[LB 6262]

AUGUST 2012

Sub. Code: 6262

THIRD YEAR / EIGHTH SEMESTER BPT EXAM

P.T. CARDIO RESPIRATORY DISEASES

Q.P. Code: 746262

Time: Three Hours

Maximum: 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

1. Write in detail about the pre and post operative physiotherapy management for a 50 years old man posted for CABG, also write about the rehabilitation after the surgery. 19 33 20
2. Illustrate the therapeutic methods used by a physiotherapist to clear thick lung secretions. 19 33 20

II. Write Notes on:

1. Stress testing. 3 8 5
2. Chest physiotherapy. 3 8 5
3. Physiotherapy for a patient in ventilator. 3 8 5
4. Physiotherapy treatment after mastectomy. 3 8 5
5. Chest wall excursion evaluation. 3 8 5
6. ADL assessment. 3 8 5
7. Manual hyperinflation. 3 8 5
8. Principles of physiotherapy for a patient in adult ICU. 3 8 5

III. Short Answers:

1. Modified postural drainage. 1 5 2
2. Lung Volumes. 1 5 2
3. Respiratory muscles. 1 5 2
4. Karvonen's formula. 1 5 2
5. Weaning from ventilator. 1 5 2
6. Pigeon chest. 1 5 2
7. Respiratory unit. 1 5 2
8. Draw & label the Coronary circulation. 1 5 2
9. Bronchopulmonary segments. 1 5 2
10. Diaphragmatic breathing exercise. 1 5 2

[LC 6262]

FEBRUARY 2013
THIRD YEAR / EIGHTH SEMESTER BPT EXAM
P.T. CARDIO RESPIRATORY DISEASES

Sub. Code: 6262

Q.P. Code: 746262

Time: Three Hours
(180 Min)

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Chart out in detail a Cardiac Rehabilitation program from the hospital phase till the maintenance phase for a 46year old housewife who has undergone a Closed Mitral Valvotomy.
2. Discuss the etiology of Chronic Bronchitis. Create a problem list and a plan of physiotherapy management for the same.

II. Short Notes:

(8 x 5= 40)

1. Classification of Ventilators.
2. Compare Jet and Ultrasonic Nebulisers.
3. Principles of Breathing Exercises.
4. Types of incisions in general surgery.
5. Assessment and treatment of tension Pneumothorax .
6. Oxygen therapy.
7. Atrial Septal Defect.
8. Cardiac Cycle.

III. Short Answers:

(10 x 2= 20)

1. Lung Compliance
2. Respiratory Alkalosis
3. Diagram showing the spirometric recording of Lung Volumes and Capacities.
4. Mitral Regurgitation.
5. Muscles of Inspiration and Expiration.
6. Define Cystic Fibrosis.
7. Types of Humidifiers.
8. Types of Venous Disorders.
9. QRS complex in ECG.
10. Indications for Open heart surgery

[LD 6262]

AUGUST 2013

Sub. Code: 6262

THIRD YEAR / EIGHTH SEMESTER BPT EXAM

P.T. CARDIO RESPIRATORY DISEASES

Q.P. Code : 746262

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Describe Pre and Post Operative PT management of pneumonectomy.
2. Physiotherapeutic Management for bronchial Asthma.

II. Write Notes on:

(8X5=40)

1. Cough Reflex
2. Paradoxical breathing
3. Cardio Pulmonary Resuscitation
4. Varicose Veins
5. Nebulizers
6. Tetralogy of fallot
7. Relaxation position for dyspnea patients
8. Exercise Tolerance Test

III. Short Answers:

(10X2=20)

1. Anti anginal drugs
2. Cardiac Tamponade
3. Six Minute walk test
4. Tracheostomy
5. Broncho pulmonary segments
6. Karvonen's formula
7. Shaking
8. Bronchi-ectasis Sicca
9. CPAP
10. Conducting System of heart
