[KM 991] **Sub. Code : 5186**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Eighth Semester

(New Modified Regulations)

Paper III — PHYSIOTHERAPY FOR CARDIO RESPIRATORY CONDITIONS

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw diagrams wherever necessáry.

I. Essay : (2 × 15 = 30)

(1) A 50 year old man underwent pneumonectomy. Discuss the pre–operative and post–operative physiotherapy progamme.

(2) Discuss the role of Physiotherapy in Paediatric intensive care unit.

II. Short notes : (10 × 5 = 50)

(a) Varicose veins

(b) Lung function tests

(c) Cough Reflex

(d) Humidifications

(e) Ventillators

(f) Congenital lobar emphysema

(g) Angina

(h) Components of the ECG

(i) Oxygen therapy

(j) CPAP.

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[KN 923] **Sub. Code : 5178**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Sixth/Eighth Semester

(Revised Regulations and Transitory/Modified Regulations)

Paper III — P.T. – IN CARDIO – RESPIRATORY DISEASES

(PHYSIOTHERAPY FOR CARDIO – RESPIRATORY CONDITIONS)

Time : Three hours — Maximum : 100 marks

Theory : Two hours and forty minutes — Theory : 80 marks

M.C.Q. : Twenty minutes — M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions: (2 × 15 = 30)

(1) Describe Pre and post operative PT nanagement of Pneumonectomy.

(2) Explain examination following acute nyocardial infarction and add a note of various home rogramme the patient needs to follow.

II. Write short notes on : (10 × 5 = 50)

(a) PT Management in COPD

(b) Arterial Blood gas analysis

(c) Dysnoea

(d) Tetrology of fallot

(e) Points of difference between angina pectoris and myocardial infarction

(f) Uses and contraindication to postural drainage.

(g) Pleural effusion

(h) Lung abscess

(i) Cardiac resustitation

(j) Nebulizers.

[KN 991] **Sub. Code : 5186**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Eighth Semester

(New Modified Regulations)

Paper III — PHYSIOTHERAPY FOR CARDIO RESPIRATORY CONDITIONS

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw diagrams wherever necessary.

I. Long Essay : (2 × 15 = 30)

(1) Define Cardiac Rehabilitation. Describe cardiac reconditioning in a case of CABG during in patient stage.

(2) Explain various types of exercise tolerance test in Pulmonary condition and give PT management in Bronchiectasis.

II. Short notes : (10 × 5 = 50)

(a) Pulmonary function tests

(b) Bronchial Asthma

(c) Risk factors for IHD

(d) Clubbing

(e) Pneumothorax

(f) Atrial septal defect

(g) Mechanism of cough reflex

(h) Breathing exercise

(i) Blood supply to Heart

(j) Pulmonary gas exchange.

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February-2006

[KO 923] **Sub. Code : 5178**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Sixth/Eighth Semester

(Revised Regulations and Transitory/Modified Regulations)

Paper III — P.T. – IN CARDIO – RESPIRATORY DISEASES

(PHYSIOTHERAPY FOR CARDIO – RESPIRATORY CONDITIONS)

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

(1) Describe the pre–operative problem list and post–operative physiotherapy management during the first 48 hours following left lower lobectemy, having been diagnosed as cystic fibrosis.

(2) Describe the indications, general precautions, contra–indications and preparation for postural drainage of individual broncho pulmonary segments.

II. Short notes : (10 × 5 = 50)

(a) Heat and moist exchangers

(b) Suction catheters

(c) Thoracic mobility exercises

(d) Sputum analysis

(e) Relaxation positions

(f) Group therapy

(g) Broncho dilator therapy in asthmatics

(h) Wound – splinting techniques

(i) Subjective assessment of a cardio pulmonary patient

(j) Abnormal breath sounds.

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[KO 991] **Sub. Code : 5186**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Eighth Semester

(New Modified Regulations)

Paper III — PHYSIOTHERAPY FOR CARDIO RESPIRATORY CONDITIONS

Time : Three hours **Maximum : 100 marks**

Theory : Two hours and forty minutes **Theory : 80 marks**

M.C.Q. : Twenty minutes **M.C.Q. : 20 marks**

Answer ALL questions.

Draw diagrams wherever necessary.

I. Long Essay : (2 × 15 = 30)

1. Define chronic bronchitis. Describe in detail the problems associated with it and physiotherapy management for the same.

2. A 60 year old male diagnosed to have Myocardial infarction. Describe the physiotherapy assessment and management in phase I of cardiac rehabilitation.

II. Short notes : (10 × 5 = 50)

(a) Types of humidifiers and its uses.

(b) Auscultation of lung sounds.

(c) Broncho pulmonary segments.

(d) Different modes of mechanical ventilator.

(e) Status asthmaticus.

(f) Postural drainage in bronchiectasis.

(g) Broncho pleural fistula.

(h) Postural problems in Thoracoplasty.

(i) Six minute walking distance test.

(j) Circuit training in cardiac rehabilitation.

[KP 991] **Sub. Code : 5186**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Eighth Semester

(New Modified Regulations)

Paper III — PHYSIOTHERAPY FOR CARDIO RESPIRATORY CONDITIONS

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw diagrams wherever necessary.

I. Long Essay :

1. What are the principles of Intensive Care physiotherapy? What is the role of the physiotherapist in the I.C.U. for a patient on a ventilator. (20)

2. Describe chest mobilisation exercises with indications effects and uses. (15)

3. Briefly explain the post - operative physiotherapy for a patient who has undergone mitral valve replacement surgery. (15)

II. Short notes : (6 × 5 = 30)

(a) Movements of chest wall

(b) Normal and abnormal breath sounds

(c) Relaxation positions for breathless patients

(d) Huffing and coughing techniques

(e) Contra indications for postural drainage

(f) Pulse oximetry.

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[KQ 991] **Sub. Code : 5186**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Eighth Semester

(New Modified Regulations)

Paper III — PHYSIOTHERAPY FOR CARDIO RESPIRATORY CONDITIONS

Time : Three hours **Maximum : 100 marks**

Theory : Two hours and forty minutes **Theory : 80 marks**

M.C.Q. : Twenty minutes **M.C.Q. : 20 marks**

Answer ALL questions.

Draw diagrams wherever necessary.

I. Long Essay :

(1) Explain the causes for post-operative complications following abdominal operations and discuss in detail the post operative physiotherapy treatment for a 60 year old man who underwent partial Gastrectomy, untill discharge from hospital. (20)

(2) Discuss the various therapeutic measures administered to patients with pulmonary problems. (15)

(3) A 50 year old male has been operated for coronary artery bypass graft (CABG). Describe phase I and phase II cardiac rehabilitation. (15)

II. Short notes : (6 × 5 = 30)

(a) Chest deformities.

(b) Principles of Aerosol therapy

(c) Manual Hyperinflation

(d) Diaphragmatic facilitation technique

(e) Mechanism and stages of cough

(f) Pneumonectomy.

[KR 991 (Y)] **Sub. Code : 6220**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Third Year

(Non-Semester Regulations)

Paper III — PHYSIOTHERAPY FOR CARDIO RESPIRATORY DISEASES

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw diagrams wherever necessary.

I. Long Essay :

(1) Describe Cough and Huff. Write down the reasons for ineffective cough. Discuss briefly the methods of improving cough. (15)

(2) Physiotherapeutic management for bronchial asthma. (15)

II. Short notes : (10 × 5 = 50)

(a) Arterial blood gas analysis.

(b) Ventilatory muscle training.

(c) Chest mobilisation exercise.

(d) Coronary circulation.

(e) Postural drainage.

(f) Varicose veins.

(g) Auscultation.

(h) Pneumothorax.

(i) Reading of chest radiograph.

(j) Assessment of a patient with cardiovascular disease.

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[KR 991] **Sub. Code : 5186**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Eighth Semester

(Modified/New Modified Regulations)

Paper III — PHYSIOTHERAPY FOR CARDIO RESPIRATORY CONDITIONS

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw diagrams wherever necessary.

I. Essay :

1. Discuss the complication of pulmonary surgery, their prevention and management. (15)

2. Describe the etiology, pathology, clinical features and principles of physiotherapy for bronchial asthma. (15)

II. Short questions : (10 × 5 = 50)

(a) Nasopharyngeal and endotracheal suctioning

(b) Exercise tolerance test

(c) Pneumothorax

(d) Describe controlled breathing during walking and during functional activity

(e) Atrial septal defect (ASD)

(f) Tetralogy of Fallot

(g) Pulmonary function test

(h) Aerosol therapy

(i) Atelectasis

(j) Aortic stenosis.

FEBRUARY 2008

[KS 991] **Sub. Code : 5186**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Common to 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

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

1. Pre–operative and post operative management for Right Lobectomy. (15)

2. Write in detail the rehabilitation of 60 year old male, affected by Myocardial infarction. (15)

II. Short questions : (10 × 5 = 50)

1. Humidification.

2. Broncho Pulmonary Segments.

3. Haemothorax.

4. Tetrology of Fallot (TOF).

5. Excerise Tolerance Test.

6. Median Sternotomy.

7. Lymphoedema.

8. Muscles of Respiration.

9. Physiotherapy techniques for neonates and paediatrics.

10. Suction.

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AUGUST 2008

[KT 991] **Sub. Code : 5186**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Common to 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 diagrams wherever necessary.

I. Essays : (2 × 15 = 30)

1. Discuss the physiotherapy management following left pneumonectomy in 40 years old female with bronchiectasis. And add a note on broncho-pulmonary fistula. (15)

2. Role of physiotherapy management in ventilator dependent patients. (15)

II. Short notes : (10 × 5 = 50)

1. Incentive spiromter

2. Normal ECG.

3. Types of inspiratory and expiratory breathing exercises.

4. Stress testing in cardio-respiratory conditions.

5. Role of humidifier in respiratory conditions.

6. Lung abscess and its physiotherapy management.

7. Thoracic mobility exercises.

8. Coughing mechanism and techniques.

9. Role of unsupported arm exercises in copd.

10. Chest deformites.

III. Write short answers : (10 × 2 = 20)

1. Modified postural drainage.

2. Abnormal heart sounds.

3. Risk factors of coronary artery diseases.

4. Mets.

5. Chest wall measurements.

6. Spacer.

7. Pressure monitors.

8. Fremitus.

9. Angina pectoris.

10. Risks and complications of suctioning.