

Bachelor of Physiotherapy Degree Examination

Semester VI- New Regulations

PHYSIOTHERAPY IN CARDIO RESPIRATORY DISEASES

Time : Three hours

Max. marks : 100

Answer ALL Questions

All questions carry equal marks

- 1. How will you assess a patient in the ICU with a breathing problem and what will be your aim and treatment for the patient with bronchial asthma.**
- 2. You are asked to manage a recently retired executive in the coronary care unit with coronary insufficiency. What is your plan for the immediate and long term physio management of this patient.**
- 3. Discuss the techniques of drainage of sputum in lung abscess. Add a note on Broncho pulmonary Segments**

April-1994

4. Write short notes on:

- a) Immediate post operative care following CABG
- b) Ventilator
- c) Chest Manipulations
- d) Pulmonary function tests and its usefulness in PT management

5. Write short notes on:

- a) Under water drainage
- b) Graduated exercise programme
- c) Aerosol therapy
- d) Six minute walking test

[ND 810]

November-1994

**Bachelor of Physiotherapy
Degree Examination**

Sixth Semester

New Regulations and Transitory

Paper III - P.T. in Cardio Respiratory Diseases

Time : Three hours

Maximum : 100 marks

Answer all Questions

All questions carry equal marks

1. How would you manage a paediatric asthma rehabilitation clinic at your outpatient department ?
2. Describe the cough mechanism giving details about the various factors affecting the same. Also discuss the various methods to drain the sputum when cough mechanism is effected.
3. Discuss the role of physical therapy in cardiac rehabilitation ?
4. Give physiological principles of exercise tolerance test ; with regards to the assessment of cardiorespiratory function. How would you differentiate such tests between the assessment of respiratory & cardiovascular function ?

b) Write short notes on :

- a) Humidification
- b) Postural drainage
- c) Relaxation exercises

[MB 926]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

(New Regulations and Transitory)

Sixth Semester

Paper III — P.T. IN CARDIO RESPIRATORY DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

All questions carry equal marks.

1. Describe the role of a physiotherapist in the Intensive Care Unit.
2. Describe the Breathing exercise programme for a patient suffering from Asthma.
3. How would you assess a patient suffering from Pneumonia? Write the clinical manifestation of such a patient and his physiotherapy management.
4. (a) Enumerate the causes and describe clinical features of Restrictive lung diseases.
(b) Describe the pre-operative evaluation and treatment of a patient who is to undergo cardio-respiratory surgery.
5. Write short notes on :
 - (a) Humidification.
 - (b) Controlled breathing exercises.
 - (c) Postural drainage.
 - (d) Electrocardiogram and its utility.

October-1996

[PK 915]

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Sixth Semester

(New/Revised Regulations and Transitory)

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

Time : Three hours

Maximum : 100 marks

Answer Sections

A and B in separate answer books.

SECTION A — (50 marks)

1. Write an essay on any ONE of the following :
(1 × 14 = 14 marks)
 - (a) What pathological changes in mitral valve result in stenosis? Describe the pre and post operative physiotherapy for a 50 year old man who is to have a mitral valve replacement.
 - (b) Describe the signs and symptoms and possible complications of chronic bronchitis. Give a brief account of the management of a 50 year old male manual worker suffering from chronic bronchitis.
2. Write brief answers on any TWO of the following :
(2 × 8 = 16 marks)
 - (a) What is postural drainage?
List down the indications and contraindications for postural drainage.
 - (b) State the aims of breathing exercises. Discuss briefly how will you teach the patient thoracic expansion exercises for :
 - (i) Unilateral basal expansion
 - (ii) Apical thoracic expansion
 - (iii) Posterior basal expansion.

[PK 915]

October-1996

(c) Discuss briefly the physiotherapy care of a ventilated patient.

3. Write short notes on any FIVE of the following :
(5 × 4 = 20 marks)

- (a) Suction.
- (b) Oxygen therapy.
- (c) Deep vein thrombosis.
- (d) Respiratory failure.
- (e) Pulmonary embolism.
- (f) Empyema.

SECTION B — (50 marks)

4. Write an essay on any ONE of the following :
(1 × 14 = 14 marks)

(a) What post operative complications may occur in elderly patients following general surgery?

How would these be recognised and prevented?

(b) Explain the signs and symptoms which occur during an attack of bronchial asthma.

Give an account of the overall physiotherapy management of a seven year old child with bronchial asthma.

5. Write brief answers on any TWO of the following :
(2 × 8 = 16 marks)

(a) Discuss briefly the role of the physiotherapist in the intensive coronary care unit.

(b) Discuss briefly, the cough reflex and mechanics. Write down the factors interfering with normal cough mechanism. Describe the methods of assistance for assisting a patient to cough.

[PK 915]

(c) Write down the aims and uses of relaxation positions. Discuss the positions of maximum support to aid relaxation and reduce the effort of breathing.

6. Write short notes on any FIVE of the following :
(5 × 4 = 20 marks)

- (a) Pulmonary function testing
- (b) Flail chest.
- (c) Cardiac failure.
- (d) Under water seal drainage
- (e) Exercise tolerance.
- (f) Chest deformities.

[MS 915]

October-1997

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Sixth Semester

(New/Revised Regulations and Transitory)

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

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in
separate answer books.

SECTION A

1. Write an essay on any ONE of the following : (20 marks)

- (a) Role of physiotherapist for a patient undergoing open heart surgery.
- (b) Post operative physiotherapy care for a 65 year old man who underwent thoracotomy.

2. Write short notes on any SIX : (6 × 5 = 30 marks)

- (a) Diaphragmatic breathing
- (b) Pigeon chest
- (c) Nebulisers
- (d) Pacemakers
- (e) Broncho-pleural fistula
- (f) Barrel chest
- (g) Pneumothorax
- (h) Fallot's tetralogy.

[MS 915]

SECTION B

3. Write an essay on any ONE of the following : (20 marks)

(a) Home management programme for a patient with coronary thrombosis discharged from the hospital after medical treatment in I.C.C.U.

(b) Physiotherapeutic assessment of chest function and role of physiotherapist in the management of an asthmatic patient.

4. Write short notes on any SIX : (6 × 5 = 30 marks)

- (a) Airway resistance
- (b) Intermittent positive pressure breathing
- (c) Mechanism of cough
- (d) Dead space
- (e) Percussion
- (f) Postural drainage
- (g) Humidity therapy
- (h) Lung fibrosis.

[SV 915]

Sub. Code : 5173/5177

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Sixth Semester

(New/Revised Regulations)

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

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following :
(20 marks)
 - (a) Write a note on "Breathing Exercises". Discuss your assessment points regarding Breathing pattern in a thoracic surgical patient. Describe how will you teach a patient Relaxed Controlled Breathing.
 - (b) Describe the pre and post operative physiotherapy for a 50 year old man who has to have a mitral valve replacement.
2. Write short notes on any SIX : (6 × 5 = 30 marks)
 - (a) IPPB.
 - (b) Cardio-pulmonary Resuscitation.
 - (c) Thoracotomy.
 - (d) Postural Drainage.
 - (e) Exercise tolerance.
 - (f) Aerosol therapy.
 - (g) Pleurisy.
 - (h) Cardiac failure.

SECTION B

3. Write an essay on any ONE of the following : (20 marks)
 - (a) Write down the indications for Postural Drainage and how will you organise home Postural Drainage for an elderly woman.
 - (b) Discuss the factors interfering with normal cough mechanism. Describe how will you assist a Open Heart Surgery patient to cough. Discuss the methods to aid removal of secretions.
4. Write short notes on any SIX : (6 × 5 = 30 marks)
 - (a) Alectectasis.
 - (b) Exercise tolerance.
 - (c) Infective endocarditis.
 - (d) Shock.
 - (e) O₂ therapy.
 - (f) Rheumatic fever.
 - (g) Sputum Examinations.
 - (h) Deep vein Thrombosis.

October-1998

[SM 915]

**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Sixth Semester

(New/Revised Regulations and Transitory)

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

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A — (50 marks)

Answer Question No. 4 and any TWO others.

1. Define postural drainage. Write down the indications and contraindications of Postural drainage. Describe the drainage position of Right upper lobe of the bronchial tree. (3 + 6 + 6 = 15)
2. Describe the assessment and physiotherapeutic management for a 15 years old boy with asthma. (15)
3. Write the indication for lobectomy. Discuss the physiotherapeutic management for a patient who underwent left lower lobectomy. (5 + 10 = 15)
4. Write short notes on any FOUR : (4 × 5 = 20)
 - (a) Chest Mobilization Exercises.
 - (b) Bronchitis.
 - (c) Cough and huff.
 - (d) Pleural Effusion.
 - (e) Intermittent positive pressure breathing.
 - (f) Lung abscess.

SECTION B — (50 marks)

Answer Question No. 8 and any TWO others.

5. What is Fallot tetralogy? Describe the physiotherapeutic management for a child who undergone surgery. (5 + 10 = 15)
6. Delineate the exercises for breathless patient. (15)
7. Discuss the role of physiotherapist in the management of chronic bronchitis. (15)
8. Write short notes on any FOUR : (4 × 5 = 20)
 - (a) Humidifications.
 - (b) CPAP mask.
 - (c) Diaphragmatic breathing.
 - (d) Pulmonary stenosis.
 - (e) Nebulisers.
 - (f) Pneumo-thorax.

SECTION B

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Sixth Semester

(New/Revised Regulations and Transitory)

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

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in separate answer books.

SECTION A

1. Write an essay on any ONE of the following : (20)

(a) A 30 year old lady planned for lobectomy Right middle lobe due to lung abscess. Explain the pre and post operative physiotherapy for this lady.

(b) Explain the pre-operative physiotherapy management for a case of mitral valve stenosis posted for surgery.

2. Write short notes on any SIX : (6 × 5 = 30)

- (a) Kypho-scoliosis.
- (b) Breathing exercise.
- (c) Humidification.
- (d) Bronchial tree.
- (e) Exercise ECG.
- (f) Tension pneumothorax.
- (g) Sputum.
- (h) Relaxed positions for a breathless patient.

3. Write an essay on any ONE of the following : (20)

(a) An 55 years old executive was admitted to coronary care unit, and diagnosed as having myocardial infarction. Explain the role of physiotherapy from the 4th day onwards till his discharge from the hospital.

(b) Explain the post operative physiotherapy care after partial gastrectomy.

4. Write short notes on any SIX : (6 × 5 = 30)

- (a) Empyema.
- (b) Car pulmonale.
- (c) Suction.
- (d) Thoracic incisions.
- (e) Atrial Septal Defect.
- (f) Bronchopneumonia.
- (g) Respiratory failure due to skeletal disorder.
- (h) Varicose veins.