

[KE 920]

Sub. Code : 5163

BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.

Fifth/Seventh Semester

(Revised Regulations/Transitory/
Modified Regulations)

(Cardio respiratory disease for Physiotherapist)

Paper III — CLINICAL CARDIO RESPIRATORY
DISEASES

Time : Three hours

Maximum : 100 marks

1. Answer any ONE question : (20)

(a) Discuss the aetiology, clinical features,
diagnosis and management of Aortic stenosis.

(b) Discuss the aetiology, clinical features,
diagnosis and management of Pulmonary Tuberculosis.

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

(a) Coarctation of Aorta

(b) Lobectomy

(c) Cervical rib

(d) Postero lateral Thoracotomy

(e) Flail chest

(f) Pneumo Thorax

(g) Rickets

(h) A.S.D.

3. Answer any ONE of the following : (20)

(a) Discuss the aetiology, clinical features
complication and management of Hypertension.

(b) Discuss the aetiology, clinical features,
diagnosis and management of Carcinoma Lung.

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

(a) P.D.A.

(b) Cardiac massage

(c) Pigeon chest

(d) Broncho stenosis

(e) Hypercapnoea

(f) Clinical features of Emphysema

(g) Peripheral signs of Aortic incompetence

(h) Haemophysis.

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**BACHELOR OF PHYSIOTHERAPY DEGREE
EXAMINATION.**

Fifth/Seventh Semester

(Revised Regulations/Transitory/Modified Regulations)

**Paper III — CARDIO RESPIRATORY DISEASE FOR
PHYSIOTHERAPIST
(CLINICAL CARDIO RESPIRATORY DISEASES)**

Time : Three hours

Maximum : 100 marks

1. Answer any ONE question. (20)

(a) Describe the anatomy of the coronary circulation, clinical features, investigations and management of Myocardial infarction.

(b) Describe the clinical features, investigations, complications and management of Bronchiectasis.

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

(a) Normal ECG

(b) Electrical conduction system of heart

(c) Lung compliance

(d) Aortic stenosis

(e) Haemothorax

(f) Intercostal drainage

(g) Tracheostomy

(h) Cough reflex.

3. Answer any ONE of the following : (20)

(a) Brief the pulmonary function tests and describe in detail the preoperative assessment of a patient for thoracotomy.

(b) Describe the etiology, pathophysiology of Rheumatic fever and brief the valvular affections of the heart and their management.

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

(a) Cyanosis

(b) Intubation methods

(c) Aspergillosis

(d) Decortication

(e) Median Sternostomy

(f) Respiratory physiology

(g) Patent ductus arteriosus

(h) Cardio pulmonary resuscitation.

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Paper III — CARDIO RESPIRATORY DISEASE FOR
PHYSIOTHERAPIST

(CLINICAL CARDIO RESPIRATORY DISEASES)

Time : Three hours

Maximum : 100 marks

1. Answer any ONE question : (20)

(a) Describe in detail the anatomy of the lungs, bronchi and broncho pulmonary segments.

(b) Describe in brief the anatomy of the heart and its blood supply and briefly outline the electrical activity of the myocardium and normal ECG.

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

- (a) Rickets-rickety rosary
- (b) Kyphoscoliosis
- (c) Mitral stenosis
- (d) Pneumothorax
- (e) Tracheostomy
- (f) Cardio-pulmonary resuscitation
- (g) Tetralogy of fallot.

3. Answer any ONE of the following : (20)

- (a) Briefly outline the management of a patient with chronic obstructive airway disease.
- (b) Describe the mechanism for maintenance of blood pressure.

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

- (a) Cervical ribs
- (b) Flail chest

- (c) Bronchiectasis sicca
 - (d) Patent ductus arteriosus
 - (e) Coronary artery disease
 - (f) Intercostal drainage
 - (g) Criteria of rheumatic fever.
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**Paper III — CARDIO RESPIRATORY DISEASE FOR
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(CLINICAL CARDIO RESPIRATORY DISEASES)

Time : Three hours

Maximum : 100 marks

Answer any ONE question : (20)

(a) Explain congenital heart diseases and write an essay on clinical features, complications and management of Patent Ductus Arteriosus.

Or

(b) Describe different acquired heart diseases and explain in detail about clinical features, complications and management of aortic stenosis.

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

- (a) Ventricular septal defect
- (b) Coarctation of aorta
- (c) Sino Atrial node
- (d) Aortic Regurgitation

- (e) Ventricular fibrillation
- (f) Pulses alternans
- (g) Electrical activity of myocardium
- (h) Cardiac Massage.

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

(a) Describe the aetiology, clinical features diagnosis of carcinoma lung.

Or

(b) Write an essay on various types of ventilator and their principle and uses.

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

- (a) Fracture Rib
- (b) Pigeon chest
- (c) Bucket Handle movement of thorax
- (d) Artificial respiration
- (e) Neural regulation of respiration
- (f) Anoxia
- (g) Postero lateral thoracotomy
- (h) Vital capacity

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BACHELOR OF PHYSIOTHERAPY
DEGREE EXAMINATION.

Seventh Semester

(New Modified Regulations)

Paper III — CARDIO RESPIRATORY DISEASE FOR
PHYSIOTHERAPIST

(CLINICAL CARDIO RESPIRATORY)

Time : Three hours

Maximum : 100 marks

1. Answer any ONE of the following : (20)

(a) Describe the clinical features, complications and management of Lung Abscess with special reference to Physiotherapy.

(b) Discuss the clinical features, diagnosis and management of a patient with Myocardial Infarction.

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

- (a) Cyanosis
- (b) Ventricular septal defect
- (c) Thoracic cage in rickets
- (d) Primary complex
- (e) Blood pressure

- (f) Hemoptysis
- (g) Cardio pulmonary resuscitation
- (h) Pericardium.

3. Answer any ONE of the following : (20)

(a) Discuss the complications that may arise in a patient with penetrating injury to his left lower chest. How will you manage such a patient.

(b) Name the cyanotic congenital diseases of the heart. Describe the clinical features, diagnosis, complications and management of tetralogy of fallots.

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

- (a) Cervical ribs
- (b) Empyema
- (c) Tuberculoma
- (d) Cor pulmonale
- (e) Aortic stenosis
- (f) Open heart surgery
- (g) Basic life support
- (h) Cough reflex.

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**BACHELOR OF PHYSIOTHERAPY
DEGREE EXAMINATION.**

Fifth/Seventh Semester

(Revised Regulations/Transitory/Modified Regulations)

**Paper III — CARDIO RESPIRATORY DISEASE FOR
PHYSIOTHERAPIST**

(CLINICAL 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

M.C.Q. must be answered **SEPARATELY** on the
answer sheet provided as per the instructions
on the first page of the M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Answer the following in details :

(15 marks each)

1. Describe a normal ECG and discuss the principles
in managing a patient with Myocardial infarction.

2. What is Empyema Thoracis? Discuss the causes
and management of a case of Empyema.

II. Write short notes on the following :

(5 marks each)

(a) Atrial Septal defect.

(b) Kyphoscoliosis.

(c) Decortication surgery.

(d) Spontaneous pneumothorax.

(e) Spirometry.

(f) Atelectasis.

(g) Median sternotomy.

(h) Smoking and its effects in postoperative
patients.

(i) Orthostatic hypotension.

(j) Stress test.

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II. Write short notes on :

(10 × 5 = 50)

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PHYSIOTHERAPIST

(CLINICAL CARDIO RESPIRATORY)

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

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

M.C.A. must be answered **SEPARATELY** on the
answer sheet provided as per the instructions
on the first page of M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Write essay on : (2 × 15 = 30)

Describe the causes, clinical features and
management of Aortic Regurgitation.

Briefly outline the management of a patient with
chronic obstructive pulmonary disease (COPD).

- (a) Flail chest
- (b) Blood pressure
- (c) Chest physiotherapy
- (d) ASD
- (e) Aspergilloma
- (f) Open heart surgery
- (g) Haemoptysis
- (h) Chemical regulation of respiration
- (i) Oral endo tracheal tubes
- (j) Arterial Blood gases analysis.

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Fifth/Seventh Semester

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PHYSIOTHERAPIST**

(CLINICAL 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 suitable diagrams wherever necessary.

I. Answer the following in details : (15 marks each)

(1) What is massive haemoptysis? What are the common causes for haemoptysis? Discuss the management of a patient with bronchiectasis.

(2) Describe the clinical features of a patient with coronary artery disease. Discuss the management of a patient who had undergone coronary artery bypass grafting surgery.

II. Give short answers for the following :

(5 marks each)

- (a) Ventricular septal defects
 - (b) Pectus excavatum
 - (c) Intercostal drainage
 - (d) Haemothorax
 - (e) Expiratory reserve volume
 - (f) Mechanical ventilation
 - (g) Anterolateral Thoracotomy incision
 - (h) Blood gas analysis - its use
 - (i) Managing a patient with tracheostomy
 - (j) Cyanosis.
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Seventh Semester

(New Modified Regulations)

**Paper III — CARDIO RESPIRATORY DISEASE FOR
PHYSIOTHERAPIST**

(CLINICAL CARDIO RESPIRATORY)

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. Write essays on :

(2 × 15 = 30)

**(1) Describe etiology, clinical features,
complications and management of bronchiectasis. (15)**

**(2) Describe the clinical features, complications
and management mitral stenosis. (15)**

II. Write short notes on :

(10 × 5 = 50)

(a) Cervical rib.

(b) Normal ECG.

(c) Broncho Pulmonary Segments.

(d) IPPB.

(e) VSD.

(f) Defibrillator.

(g) Intercostal drainage.

**(h) List anti-tuberculous drugs, dose and
toxicity.**

(i) Cynosis.

(j) Postero-lateral thorocotomy.