

February 2009

[KU 988]

Sub. Code: 5183

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**  
**Third Year**  
**Non-Semester Regulations and Seventh Semester**  
**( New Modified Regulations)**  
**CARDIO RESPIRATORY DISEASES FOR PHYSIOTHERAPIST**  
**(CLINICAL CARDIO RESPIRATORY DISEASES)**

*Q.P. Code : 745183*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions.**

**Draw suitable diagrams wherever necessary**

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

1. Differentiate between stable and unstable angina. Discuss in detail about the pathophysiology, clinical features, investigation and management of acute myocardial infarction.
2. Define post operative pulmonary complication. How does pulmonary function changes post operatively. What are the techniques to improve secretion clearance from lower respiratory tract.

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

1. Differentiate between pectus excavatum and pectus carinatum
2. What is the importance of sino atrial node
3. Beta Blockers
4. Oxygen therapy
5. Define vital capacity
6. Flail chest
7. Deep vein thrombosis
8. What is meant by cardiac tamponade
9. What is Homan's sign
10. Basic life support

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

1. Patent ductus arteriosus
2. Postero lateral thoracotomy
3. Indications for tracheal intubations
4. Dead space
5. Massive Haemoptysis
6. Arterial Blood Gas analysis
7. Clubbing
8. Hazards of smoking
9. Broncho Pleural fistula
10. Four components of fallot tetralogy

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August 2009

[KV 988]

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**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**  
**Third Year**  
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**( New Modified Regulations)**  
**CARDIO RESPIRATORY DISEASES FOR PHYSIOTHERAPIST**  
**(CLINICAL CARDIO RESPIRATORY DISEASES)**

*Q.P. Code : 745183*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions.**

**Draw suitable diagrams wherever necessary**

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

1. Describe the etiology and pathogenesis of adult respiratory distress syndrome. Discuss in detail the management of adult respiratory distress syndrome and list their complications.
2. Describe in brief exercise physiology and treadmill testing.

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

1. Hospital acquired pneumonia.
2. Pace makers for heart block.
3. Pneumoconiosis.
4. Empyema thoracis.
5. Pectus carinatum.
6. Complications of thoracotomy.
7. Percutaneous transluminous Coronary angiography.
8. Lung compliance.
9. Arterial blood gas analysis.
10. Cough reflex.

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

1. Four components of Fallot's tetralogy.
2. Status asthmaticus.
3. DVT.
4. Burn's focus.
5. Pulmonary function test.
6. Weaning from ventilatory support.
7. Cyanosis.
8. Complications of tracheostomy.
9. Coronary artery bypass graft.
10. Postural drainage.

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February 2010

[KW 988]

Sub. Code: 5183

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**  
**Third Year**  
**Non-Semester Regulations and Seventh Semester**  
**( New Modified Regulations)**  
**CARDIO RESPIRATORY DISEASES FOR PHYSIOTHERAPIST**  
**(CLINICAL CARDIO RESPIRATORY DISEASES)**

*Q.P. Code : 745183*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions.**

**Draw suitable diagrams wherever necessary**

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

1. Discuss the mechanism of heart failure. Describe in detail about the evaluation of cardiac muscle dysfunction in physical therapy.
2. Define chronic obstructive pulmonary disease (COPD). Describe in detail about the risk factors clinical manifestation, investigation, management including physiotherapy of COPD.

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

1. Ventricular septal defect.
2. Broncho pleural fistula.
3. Risk factors and cell types of bronchogenic carcinoma.
4. Weaning from ventilatory support.
5. Postero lateral thorocotomy.
6. Prosthetic (Artificial) mitral valves.
7. Venous thrombo embolism.
8. Constrictive pericarditis.
9. Basic life support.
10. MET (Metabolic Equivalent).

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

1. Emphysema.
2. Shunt reversal.
3. Surfactant.
4. Respiratory acidosis.
5. Lung defence mechanism.
6. Indication for tracheal intubation.
7. Hazards of smoking.
8. Oxygen therapy.
9. Define Bronchiectasis.
10. Name four names of chest deformities.

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August 2010

[KX 988]

Sub. Code : 5183

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**

**Third Year Non-Semester Regulations and Seventh Semester  
( New Modified Regulations)  
CARDIO RESPIRATORY DISEASES FOR PHYSIOTHERAPIST  
(CLINICAL CARDIO RESPIRATORY DISEASES)**

*Q.P. Code : 745183*

**Time : Three hours**

**Maximum : 100 marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary**

**I. Essays:**

**(2X15=30)**

1. Describe the etiology, clinical features and management of Empyema. Briefly describe the Intercostal Drainage.
2. Describe the causes of Secondary Hypertension and briefly discuss about complications and investigations.

**II. Short Notes :**

**(10X5=50)**

1. Patent Ductus Arteriosus.
2. Modes of Ventilators.
3. Carcinoma Lung.
4. Haemothorax.
5. Cough Reflex.
6. Normal ECG.
7. Pulmonary Embolism.
8. Hazards of Smoking.
9. Cardiac rate during Exercise.
10. Massive Haemoptysis.

**III. Short Answers:**

**(10X2=20)**

1. Clubbing.
2. Tracheostomy.
3. Treadmill Testing.
4. Ghon's Focus.
5. Components of Tetralogy of Fallot.
6. Pulmonary Function Test.
7. Status Asthmaticus.
8. Respiratory Acidosis.
9. Diastolic Blood Pressure.
10. Deep Vein Thrombosis (DVT).

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III. Short answers :

(10 × 2 = 20)

1. Rickets.
  2. List the cardiac conditions required closed heart surgery.
  3. Stove in chest.
  4. Explain ventilation.
  5. List the manifestations of pulmonary Tuberculosis.
  6. Haemothorax.
  7. Normal ECG.
  8. Status Asthmaticus.
  9. Respiratory failure.
  10. Decostication.
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**February 2011**

**[KY 988]**

**Sub. Code : 5183**

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION.

Third Year Non-Semester Regulations and Seventh Semester

(New Modified Regulations)

CARDIO RESPIRATORY DISEASES FOR PHYSIOTHERAPIST  
(CLINICAL CARDIO RESPIRATORY DISEASES)

Q. P. Code : 745183

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

- I. Essays : (2 × 15 = 30)
1. Bronchiectasis : definition, clinical features, complication and management.
  2. Describe in brief the anatomy of the heart and its blood supply. Briefly outline the electrical activity of the myocardium and normal ECG.
- II. Write Short Notes : (10 × 5 = 50)
1. Pulmonary embolism.
  2. Clinical features and management of Flail chest.
  3. Aterolateral thoracotomy.
  4. Describe in detail the preoperative assessment of a patient posted for thoracotomy.
  5. Briefly outline the management of a patient after a myocardial infarct.
  6. Outline the principals of cardio vascular stress testing.
  7. Management of endotracheal tubes.
  8. Factors affecting lung compliance and airway resistance.
  9. List the causes of empyema and its treatment.
  10. Atrial septal defect.

**August 2011**

**[KZ 6261]**

**Sub. Code : 6261**

**BACHELOR OF PHYSIOTHERAPY EXAMINATION**

**THIRD YEAR / SEVENTH SEMESTER**

**PAPER III – CLINICAL CARDIO RESPIRATORY DISEASES**

*Q.P. Code : 746261*

**Time : Three hours**

**Maximum : 100 marks**

**ANSWER ALL QUESTIONS**

**I. LONG ESSAYS**

**(2X20=40)**

1. Briefly describe the blood supply of the heart. Explain in detail the etiology, clinical features, diagnosis, medical and surgical management of myocardial infarction.
2. Define chronic bronchitis and emphysema .Explain in detail the etiology, clinical features, diagnosis, investigations and medical management of chronic obstructive pulmonary disease.

**II. SHORT NOTES**

**(8X5=40)**

1. Empyema.
2. Basic life support.
3. Broncho pulmonary segment.
4. Cardiac cycle.
5. Pulmonary tuberculosis: Etiology, diagnosis and management.
6. Major and minor Jones criteria of rheumatic fever.
7. Flial chest: Diagnosis and management.
8. Regulation of blood pressure.

**III. SHORT ANSWERS**

**(10X2=20)**

1. Define vital capacity. What is the normal value for 70 kg adult?
2. Components of Tetralogy of Fallot.
3. Draw a normal E.C.G and label the parts.
4. Define bronchiectasis.
5. Name the four common cell types of lung cancer.
6. Define cyanosis.
7. Name four causes of cor-pulmonale.
8. Name an inspiratory and an expiratory muscle of respiration.
9. Name the four valves of the heart.
10. Name two conditions associated with polycythemia.

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February 2012

[LA 6261]

Sub. Code: 6261

**BACHELOR OF PHYSIOTHERAPY EXAMINATION  
THIRD YEAR / SEVENTH SEMESTER  
PAPER III – CLINICAL CARDIO RESPIRATORY DISEASES**

**Q.P. Code: 746261**

**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(2X20=40)**

1. Discuss in detail about the etiology, clinical features, Diagnosis and management of Bronchial Asthma.
2. Describe in detail about the principle of Cardio Vascular Stress (Treadmill) Test.

**II. Write notes on:**

**(8X5=40)**

1. Coronary Circulation of Heart
2. Postural drainage
3. Hospital Acquired pneumonia
4. Hazards of Smoking
5. Median Sternotomy
6. Atrial Septal Defect
7. Clinical features of Mitral Stenosis
8. Pleural effusion

**III. Short Answers:**

**(10X2=20)**

1. Clubbing
2. Respiratory Acidosis
3. Sinoatrial (SA) Node
4. Continuous Positive Airway Pressure(CPAP)
5. Asbestosis
6. Six Minute Walk Test
7. Tension Pneumothorax
8. Pectus excavatum
9. PANCOAST Tumor
10. Nebulizer

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[LC 6261]

FEBRUARY 2013

Sub. Code: 6261

**THIRD YEAR BPT EXAM / SEVENTH SEMESTER  
PAPER III – CLINICAL CARDIO RESPIRATORY DISEASES**

**Q.P. Code: 746261**

**Time: Three Hours  
(180 Min)**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X20=40)**

1. What is community acquired pneumonia? Discuss in detail about the etiology, pathogenesis, diagnosis and medical management of severe community acquired pneumonia. Explain the role of physiotherapist in improving the outcome in patients having pneumonia requiring ventilatory assistance.
2. What is angina pectoris? Explain in detail the risk factors, etiology, clinical features, investigation medical and surgical management of a patient with unstable angina.

**II. Write notes on:**

**(8X5=40)**

1. Pre and post operative physiotherapy plan for pneumonectomy.
2. Cor-pulmonale: causes, clinical features and diagnosis.
3. Broncho pulmonary segments.
4. Exercise testing: Indications and physiological principles.
5. Cardio pulmonary resuscitation.
6. Atrial Septal Defect (ASD).
7. Directly Observed Therapy Short course (DOTS).
8. Regulation of blood pressure.

**III. Short Answers:**

**(10X2=20)**

1. Draw a normal ECG tracing and label the parts.
2. Name the staining technique used to identify tuberculous bacilli.
3. Name four cyanotic congenital heart diseases.
4. Define chronic bronchitis.
5. Draw the conduction system of the heart and label the parts.
6. Define tidal volume.
7. What is flail chest?
8. Mention two occupational lung diseases with the causative factor.
9. Define cardiac output.
10. How do we treat empyema?

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[LD 6261]

AUGUST 2013

Sub. Code: 6261

**THIRD YEAR/SEVENTH SEMESTER BPT EXAM  
PAPER III - CLINICAL CARDIO RESPIRATORY DISEASES**

*Q.P. Code : 746261*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X20=40)**

1. Discuss in detail about the definition, etiology, pathogenesis, clinical features, investigations, complications and medical management of Chronic Bronchitis
2. Discuss in detail about the etiology, pathogenesis, clinical features, complications, investigations and medical management of Tetralogy of Fallot.

**II. Write Notes on:**

**(8X5=40)**

1. Thoracotomy
2. Sneeze reflex
3. Patent Ductus arteriosus
4. Coal worker's Pneumoconiosis
5. Lung Abscess
6. Pneumothorax
7. Pleural effusion
8. Infective Endocarditis

**III. Short Answers:**

**(10X2=20)**

1. Trachea
2. Residual Volume
3. Anatomical Dead space
4. Cheyne-Stokes respiration
5. Pyothorax
6. Levine sign
7. Dressler's Syndrome
8. Blue-Bloaters
9. Conducting zone
10. Modifiable risk factors for Myocardial Infarction

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