

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

August 2009

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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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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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(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).
