April-2001

[KD 190] **Sub. Code : 2097**

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper III — RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Time : Three hours Maximum : 100 marks

1. Enumerate Pulmonary infections in an IMMUNOCOMPROMISED HOST. Discuss the diagnosis and management of Pneumocystis carini Pneumonia. (25)

2. Discuss various complications of mechanical ventilation. How can they be prevented? (25)

3. Write briefly on :
   (a) Fat Embolism
   (b) Anatomy of respiratory Bronchioles
   (c) Bio–availability test and its clinical use
   (d) Chloro–Fluro carbons
   (e) Nocturnal Asthma. (5 × 10 = 50)

March-2002

[KG 190] **Sub. Code : 2097**

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper III — RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Define Nosocomial Pneumonia. Write about the risk factors for the development of Nosocomial Pneumonia, the common pathogens causing Nosocomial Pneumonia, the diagnostic modalities and treatment of ventilator associated pneumonia. (5 + 5 + 5 + 5 + 5 = 25)

2. Write about the current concepts of immunology of Tuberculosis. (25)

3. Write briefly on : (5 × 10 = 50)

(a) Lung Transplant.

(b) Role of Body Plethysmography.

(c) Hantavirus pulmonary syndrome.

(d) Weaning of patients from Ventilators.

(e) Investigations for central nervous system tuberculosis.

[KI 190] April-2003 Sub. Code : 2097

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Tuberculosis and Respiratory Diseases

Part II

Paper III — RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Time : Three hours Maximum : 100 marks

Answer ALL questions.

1. Discuss Lung host defences. (25)

2. Discuss mechanism of Fluid formation in Pleural cavity. Discuss causes of Recurrent Pleural Effusion.(25)

3. Write briefly on : (5 × 10 = 50)

(a) Video Endo Bronchoscope

(b) Body Box

(c) Rifa Butol

(d) Capreomycin

(e) Oxygen concentrator.

[KJ 190] **Sub. Code : 2097**

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Tuberculosis and Respiratory Diseases

Part II

Paper III — RECENT ADVANCES IN TUBERCULOSIS AND CHEST 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 M.C.Q. Booklet.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Write an essay on : (2 x 15 = 30)

1. Role of Alveolar macrophages in cell mediated immunity in Tuberculosis.

2. Role of the Imaging sciences in the management of respiratory problems.

3. Write short notes on : (10 x 5 = 50)

(a) IS 6110.

(b) Congenital tuberculosis.

(c) Bcg. Gene.

(d) Septi chek AFB.

(e) Anti Neutrophil Cytoplasmic Antibody.

(f) Double Lumen Endotracheal Tube.

(g) Non Invasive Ventilation.

(h) Surgical management of Bullous Lung Diseases.

(i) Sars Virus Pneumonia.

(j) Gallium 67 Scintigraphy.

[KL 190] **Sub. Code : 2097**

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Tuberculosis and Respiratory Diseases

Part II

Paper III — RECENT ADVANCES IN TUBERCULOSIS AND CHEST 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. Write an essay on : (2 × 15 = 30)

(1) Applications of cross sectional imaging techniques in intra thoracic diseases.

(2) Coronavirus diseases.

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

(a) Paragonimiasis.

(b) Anthrax.

(c) Management of Hospital Acquired pneumonia.

(d) Post Operative Care in COPD.

(e) Diagnostic Bronchoscopy.

(f) Lung transplantation.

(g) DOTS.

(h) Counseling for HIV and Tuberculosis.

(i) Polysomnography.

(j) Gene therapy.

[KM 190] **Sub. Code : 2097**

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Tuberculosis and Respiratory Diseases

Part II

Paper III — RECENT ADVANCES IN TUBERCULOSIS AND CHEST 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. Essay : (2 × 15 = 30)

(1) Describe minimally invasive thoracic procedures.

(2) Describe diagnostic evaluation and management of acute pulmonary embolism.

II. Short Notes : (10 × 5 = 50)

(a) Partial liquid ventilation

(b) Outdoor air pollution

(c) Ventilator associated Pneumonia

(d) Walking tests

(e) Re expansion pulmonary edema

(f) The genetics of asthma

(g) Synchronized intermittent mandatory ventilation

(h) Domicillary oxygen therapy

(i) Exercise induced Asthma

(j) Respiratory Acid base disorders.

[KP 190] **Sub. Code : 2097**

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper III — RECENT ADVANCES IN TUBERCULOSIS AND CHEST 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.

1. Essay :

(1) Describe pathogenesis clinical features and management of acute severe asthma. (20)

(2) Immuno pathology of Tuberculosis. (15)

(3) Discuss the role of Bronchoscopy in the management of chest disease. (15)

II Short notes : (6 × 5 = 30)

(a) High frequency ventilation.

(b) Oxygen Toxicity.

(c) Complications of Thoracentesis.

(d) Pulmonary Rehabilitation.

(e) Severe acute Respiratory syndrome.

(f) Hyaline membrane disease.

[KQ 168] **Sub. Code : 2099**

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Common to — Part II —Paper III — (Old/New/Revised Regulations) (Candidates admitted from 1988–89 onwards)

and

Paper — IV (for candidates admitted from 2004–2005 onwards)

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 :

(1) Discuss the indications, contraindications and complications of fibreoptic bronchoscopy. (20)

(2) Discuss the advantages and disadvantages of Non invasive ventilation. (15)

(3) Diagnosis and management of Pneumocystis jerovicii pneumonia. (15)

II. Write short notes on : (6 × 5 = 30)

(a) Smoking cessation.

(b) Liquid ventilation.

(c) Tracheoesophageal fistula.

(d) Pathophysiology of lung injury

(e) Melicidosis.

(f) HIV-TB Co-infection.

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[KR 184] **Sub. Code : 2077**

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Common to — Part II —Paper III — (Old/New/Revised Regulations) (Candidates admitted from 1988–89 onwards)

and

Paper — IV (for candidates admitted from 2004–2005 onwards)

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.

I. Essay questions :

(1) Define hospital acquired pneumonia. Discuss the predisposing factors, management and preventive measures in HAP. (20)

(2) Immuno Pathology of Tuberculosis. (15)

(3) Discuss the newer methods in the diagnosis of mycobacterial infection. (15)

II. Write short notes on : (6 × 5 = 30)

(a) Good clinical practice (GCP)

(b) Omalizumab

(c) Clinical pulmonary infection score

(d) Steroid insensitive asthma

(e) Apnoea-Hypopnoea index

(f) EBUS.

MARCH 2008

[KS 170] **Sub. Code : 2064**

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

(Common to — Part II – Paper III – (Old/New/Revised Regulations) (Candidates admitted from 2003–04)

and

Paper IV (for candidates admitted from 2004–2005 onwards)

Q.P. Code : 202064

Time : Three hours Maximum : 100 marks

Answer ALL questions.

I. Essay questions: (2 × 20 = 40)

1. Discuss clinical settings associated with ARDS and its management.

2 Discuss the drug induced lung diseases by pathophysiologic and clinical syndromes in detail.

II. Write short notes on: (10 × 6 = 60)

1. Lung transplant.
2. XDR. TB.
3. High altitude sickness.
4. Acute radiation syndrome.
5. Bioterrorism.
6. Hypersensitive pneumonitis.
7. Positron emission tomography.
8. Avian infuenza.
9. Oxygen mask's.
10. Methotrexate.

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September 2008

[KT 170] **Sub. Code: 2064**

M.D. DEGREE EXAMINATION

Branch XVII –Tuberculosis and Respiratory Diseases

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Common to

Part II – Paper III - (Old /New/Revised Regulations)
(Candidates admitted upto 2003-04) and

Paper IV – (For candidates admitted from 2004-2005 onwards)

Q.P. Code : 202064

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

Draw suitable diagram wherever necessary.
Answer ALL questions.

I. Essay questions : **(2 X 20 = 40)**

1. Classify the mediastinal tumors. Discuss the various investigation with emphasis on mediastinoscopy.

2. Discuss the various modes of weaning from ventilator.

II. Write short notes on : **(10 X 6 = 60)**

1. Endobronchial ultrasound.
2. Exercise induced asthma.
3. Dynamic stents.
4. Pulmonary rehabilitation.
5. BOOP.
6. Lipoid pneumonitis.
7. Humidifier fever.
8. Melioidosis.
9. Hoover’s sign.
10. Chemical Planodesis.

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March 2009

[KU 170] **Sub. Code: 2064**

M.D. DEGREE EXAMINATION

Branch XVII – TUBERCULOSIS AND RESPIRATORY DISEASES
Part II – Paper III - (Candidates admitted upto 2003-04) and
Paper IV – (For candidates admitted from 2004-2005 to 2007-2008)

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Q.P. Code : 202064

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

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : **(2 x 20 = 40)**

1. Discuss the clinical features and management of obstructive sleep apnoea.

2. Describe the clinical features, diagnosis and management of pulmonary thromboembolism.

II. Write short notes on : **(10 x 6 = 60)**

1. Smoking cessation.
2. Vanishing lung syndrome.
3. Scar carcinoma.
4. Berylliosis.
5. Lung transplantation.
6. Fluticasone.
7. Autoflourescent bronchoscopy.
8. Bronchial provocation test.
9. Eosinophilic bronchitis.
10. Heimlich valve.

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September 2009

[KV 170] **Sub. Code: 2064**

M.D. DEGREE EXAMINATION

Branch XVII – TUBERCULOSIS AND RESPIRATORY DISEASES
Part II – Paper III - (Candidates admitted upto 2003-04) and
Paper IV – (For candidates admitted from 2004-2005 to 2007-2008)

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Q.P. Code : 202064

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

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : **(2 x 20 = 40)**

1. What is ARDS? Discuss the ventilatory strategies in ARDS.

2. Describe XDR TB. How will you approach a case of Category II failure? How will you ensure community participation in TB control?

II. Write short notes on : **(10 x 6 = 60)**

1. Syndrome Z.
2. Targetted therapy in Lung cancer.
3. Endoscopic LVRS.
4. Diagnostic methods in LTBI.
5. Auto CPAP.
6. MODS.
7. Laser in pulmonary medicine.
8. Medical thoracoscopy.
9. Varenicline.
10. Role of steroids in COPD.

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September 2010

[KX 170] **Sub. Code: 2064**

M.D. DEGREE EXAMINATION

Branch XVII –TUBERCULOSIS AND RESPIRATORY DISEASES

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Paper IV – (for candidates admitted from 2004-2005 to 2007-2008) and Part II – Paper III - (for candidates admitted from 2008-09 onwards)

Q.P. Code : 202064

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

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : **(2 X 20 = 40)**

1. Discuss sleep related breathing disorders. Describe the clinical features, diagnosis and treatment of Obstructive sleep Apnoea.

2. Define ARDS. Discuss the etiopathogenesis, clinical features and the ventilatory strategies in ARDS.

II. Write short notes on : **(10 X 6 = 60)**

1. Lung transplantation.
2. Prevention of Pneumonia.
3. Capnography.
4. Lung expansion therapy.
5. Oxygen delivery system.
6. Laser in pulmonary medicine.
7. Passive smoking.
8. Bronchial artery embolization.
9. Early detection of lung cancer.
10. Surfactant replacement therapy.

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MAY 2011

[KY 170] **Sub. Code: 2064**

M.D. DEGREE EXAMINATION

BRANCH XVII – TUBERCULOSIS AND RESPIRATORY DISEASES

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Q.P. Code : 202064

Time : 3 hours (180 Min) **Maximum : 100 marks**

Answer ALL questions in the same order.

I. Elaborate on :	**Pages (Max.)**	**Time (Max.)**	**Marks (Max.)**
1. Classify Pulmonary hypertension and discuss the management of Primary pulmonary hypertension.	11	35	15
2. Discuss the current applications of Non invasive positive pressure ventilation. Add a note on permissive hypercapnia.	11	35	15
II. Write notes on :			
1. Pneumococcal vaccine.	4	10	7
2. Pleuroscopy.	4	10	7
3. Line probe assay.	4	10	7
4. Gene therapy.	4	10	7
5. Smoking cessation.	4	10	7
6. Aerosol delivery systems.	4	10	7
7. Newer anti Tuberculosis drugs.	4	10	7
8. Long acting bronchodilators.	4	10	7
9. Positron emission tomography.	4	10	7
10. Indications for Lung transplantation.	4	10	7

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APRIL 2012

[LA 170] **Sub. Code: 2064**

M.D. DEGREE EXAMINATION

BRANCH XVII –TUBERCULOSIS AND RESPIRATORY DISEASES

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Q.P. Code : 202064

Time : 3 hours **Maximum : 100 marks**

(180 Min)

Answer ALL questions in the same order.

I. Elaborate on :	**Pages (Max.)**	**Time (Max.)**	**Marks (Max.)**
1. Describe the morphology of influenza 'A' virus, Clinical features and management of H1N1 Influenza.	16	35	15
2. Mention the different types of Respiratory Failure. Enumerate their causes. How will you manage Type II Respiratory failure.	16	35	15
II. Write notes on :			
1. Role of Pirfenidone in Idiopathic Pulmonary Fibrosis.	4	10	7
2. Polymerase Chain Reaction in the diagnosis of tuberculosis.	4	10	7
3. Leukotrine modifiers and its role in Asthma.	4	10	7
4. Indications and Procedure of Video Assisted Thoracoscopic Surgery.	4	10	7
5. Oncogenesis in Lung cancer	4	10	7
6. Role of surfactant replacement therapy in Respiratory Distress Syndrome.	4	10	7
7. Define X.D.R. T.B and its management.	4	10	7
8. P.E.T.(Positron Emission Tomography) scan in the diagnosis of lung tumor.	4	10	7
9. Role of Immunotherapy in the management of tuberculosis.	4	10	7
10. Indication for Long term oxygen therapy in C.O.P.D and non-C.O.P.D Patients.	4	10	7

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(LC 170) **APRIL 2013** **Sub. Code: 2064**

M.D. DEGREE EXAMINATION

BRANCH XVII – TUBERCULOSIS AND RESPIRATORY DISEASES

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Q.P. Code: 202064

Time: Three Hours **Maximum: 100 marks**

I. Elaborate on: **(2X15=30)**

1. Discuss aetiology, clinical features, diagnosis and management of Pulmonary Arterial Hypertension.
2. Describe clinical feature of obstructive Sleep apnea, its diagnosis and management.

II. Write notes on: **(10X7=70)**

1. Polymerase Chain Reaction
2. Line Probe Assay
3. Usefulness of Human Leucocyte antigen in respiratory disease
4. Laser therapy in Respiratory Disease
5. Early diagnosis of Lung Cancer
6. Indoor Air Pollution
7. Intrinsic PEEP
8. N 95 Respirator
9. Nebulized anti-microbials
10. Anti-oxidants

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(LE 170) **APRIL 2014** **Sub. Code:2064**

M.D. DEGREE EXAMINATION

BRANCH XVII - TUBERCULOSIS AND RESPIRATORY MEDICINE

RECENT ADVANCES IN TUBERCULOSIS AND CHEST DISEASES

Q.P.Code: 202064

Time: Three Hours **Maximum: 100 marks**

I. Elaborate on: **(2X15=30)**

1. Role of Broncho Alueolar Lauage (BAL) in diagnosis of Parenchymal Lung Disease.

2. Climatic Change and Lung Diseases.

II. Write notes on: **(10X7=70)**

1. 'P' Value in Statistical Analysis.
2. Inhalational injury.
3. High Frequency Ventilator.
4. Pirfenidone.
5. Gene Therapy.
6. Virtual Bronchoscopy.
7. Magnetic Resonance Imaging (MRI) in Respiratory Disease.
8. Asthma in Pregnancy.
9. Empirical Antibiotics in the presence of Health Care Associated Pneumonia.
10. Long term Oxygen Therapy.

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