

April-2001

[KD 189]

Sub. Code : 2095

M.D. DEGREE EXAMINATION

(New Regulations/Revised Regulations)

Branch XVII → Tuberculosis and Respiratory Diseases

Part II

Paper II — NON-TUBERCULOSIS CHEST DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Discuss the classification and clinical features of Pulmonary Vasculitis. Outline the treatment in Wegeneres granulomatosis. (25)
2. Describe in details, Pathophysiology and Aetiology of chronic obstructive pulmonary diseases. (25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Serum markers of lung cancer and their clinical application.
 - (b) Obesity and lung.
 - (c) Pharmato kinetics and drug interactions of Theophylline.
 - (d) Ugionella infections.
 - (e) Byssihsosis.

March-2002

[KG 189]

Sub. Code : 2095

M.D. DEGREE EXAMINATION.

(Common to New Regulations/Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper II — NON-TUBERCULOSIS CHEST DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. What are the aims of pulmonary rehabilitation?
As a respiratory physician how will you set up a
pulmonary rehabilitation centre. (10 + 15 = 25)
2. Define obstructive sleep apnoea. Write about the
pathophysiology, clinical features, diagnosis and
complications and treatment of obstructive sleep
apnoea. (5 + 5 + 5 + 5 + 5 = 25)
3. Write briefly on : (5 × 10 = 50)
 - (a) Cellular Pulmonary Defense mechanism.
 - (b) Biopsy guns used in Thoracic diseases.
 - (c) Indications for pulmonary function test.
 - (d) Hippocratic succussion (succussion splash)
 - (e) Fibreoptic Bronchoscopy.

April-2003

[KI 189]

Sub. Code : 2095

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper II — NON TUBERCULOSIS CHEST DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss Sarcoidosis. (25)
 2. Discuss management of Haemoptysis. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Pneumothorax
 - (b) Trans Bronchial Lung Biopsy
 - (c) Pulmonary Manifestations of Rheumatoid Arthritis
 - (d) A.R.D.S.
 - (e) "Tree in Bud" appearance.
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[KJ 189]

Sub. Code : 2095

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper II — NON TUBERCULOSIS 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.

Answer ALL questions.

Draw suitable diagrams wherever necessary.

Write an essay on : (2 × 15 = 30)

1. Discuss non respiratory function including endocrine function of lung.
2. What is acute severe asthma? Discuss its management and complications.

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

- (a) Intralobar sequestration.
- (b) Functional residual capacity.
- (c) Respiratory acidosis.
- (d) Broncho alveolar lavage.
- (e) Monday morning fever.
- (f) Tension Pneumothorax.
- (g) Scimitar syndrome.
- (h) Vanishing lung.
- (i) Mesothelioma.
- (j) Pneumatocele.

[KL 189]

Sub. Code : 2095

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper II — NON TUBERCULOSIS 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) Diagnosis of Pleural Effusion. Management of recurring malignant pleural effusion.

(2) Differences in Management between severe COPD and severe Asthma.

II. Write short notes on :

(10 × 5 = 50)

- (a) Oxygen Therapy.
- (b) Fatal Asthma.
- (c) Primary Ciliary Dyskinesia.
- (d) Vocal Cord Dysfunction.
- (e) Early Diagnosis in Lung Cancer.
- (f) Diagnosis of Pulmonary Embolism.
- (g) Management of Cor Pulmonale.
- (h) Prognosis in Sarcoidosis.
- (i) Adverse effects of Air Pollutants.
- (j) Acute mountain sickness.

[KM 189]

Sub. Code : 2095

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper II — NON TUBERCULOSIS CHEST DISEASES

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

Answer ALL questions.

Draw suitable diagrams wherever necessary.

1. Essay : (2 × 15 = 30)

(1) Describe pathogenesis, clinical features and management of superior venacaval syndrome.

(2) Describe clinicoradiological features, diagnosis and management of Thoracic Sarcoidosis.

II. Short notes :

(10 × 5 = 50)

- (a) Risk factors of COPD.
- (b) Allergic Aspergillosis.
- (c) Usual Interstitial Pneumonia.
- (d) Pneumocystis Pneumonia.
- (e) Pulmonary sequestration.
- (f) Hypersensitivity pneumonitis.
- (g) Nontraumatic haemothorax.
- (h) Forced expiratory tests.
- (i) Management of small cell carcinoma.
- (j) Severe Persistent Asthma.

[KQ 167]

Sub. Code : 2098

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

NON-TUBERCULOUS CHEST DISEASES

(Common to

Part II – Paper II – (Old/New/Revised regulations)

(candidates admitted from 1988-89 onwards) and

Paper III — (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 :

(1) Describe the aetiopathogenesis, clinical features and management of Hepatopulmonary amebiasis. (20)

(2) Discuss the management of small cell lung cancer. (15)

(3) Management of acute severe asthma. (15)

II. Write short notes on :

(6 × 5 = 30)

(a) Tumour cell dynamics

(b) Hypersensitivity pneumonitis

(c) Pneumococcal vaccine

(d) William-Campbell Syndrome

(e) Reid Index

(f) Angiotensin Converting Enzyme.

[KR 183]

Sub. Code : 2073

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

NON-TUBERCULOUS CHEST DISEASES

Common to — Part II — Paper II — (Old/New/Revised Regulations)

(Candidates admitted from 1988–89 onwards)

and

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

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

Answer ALL questions.

I. Essay questions :

(1) Enumerate anterior mediastinal tumours. Discuss the clinical presentation, diagnosis and management of Thymoma. (20)

(2) How will you assess pulmonary function? Describe in detail any four spirometric indices and their clinical application. (15)

(3) Describe the etiopathogenesis and clinical characteristics of emphysema. (15)

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

- (a) Berrylliosis
- (b) Long acting beta agonist
- (c) Polysomnography
- (d) Tumour markers
- (e) Equal pressure point
- (f) Monge's disease.

MARCH 2008**[KS 168]****Sub. Code : 2063**

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

NON-TUBERCULOUS CHEST DISEASES

Common to — Part II — Paper II (Old/New/Revised Regulations)

(Candidates admitted from 2003-04 and

Paper — III (for candidates admitted from 2004-2005 onwards)

Q.P. Code : 202063

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Essays : (2 × 20 = 40)
1. Discuss in detail clinical presentation, diagnosis and management of occupational asthma.
 2. Discuss the extra thoracic and endocrine manifestations of lung cancer.
- II. Short notes : (10 × 6 = 60)
1. Good pasture's syndrome
 2. Influenza vaccine
 3. Moxifloxacin
 4. Peep
 5. Narcolepsy
 6. Hospital acquired pneumonias
 7. Chylothorax
 8. Paragonimiasis
 9. Progressive massive fibrosis
 10. Pneumonectomy
-

September 2008

[KT 168]

Sub. Code: 2063

M.D. DEGREE EXAMINATION

Branch XVII –Tuberculosis and Respiratory Diseases

NON-TUBERCULOSIS CHEST DISEASES

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

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

Q.P. Code : 202063

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Discuss the pathogenesis and management of pulmonary thromboembolism.
2. Define bronchiole and draw the diagram. Define bronchiolitis. Write in detail the pathophysiology, clinical features and management of different forms of bronchiolitis..

II. Write short notes on :

(10 X 6 = 60)

1. Hospital acquired pneumonia.
 2. Bupropion.
 3. Bronchial provocation test.
 4. Vanishing lung syndrome.
 5. Acute lung injury.
 6. Neurogenic pulmonary oedema.
 7. Polysomnography.
 8. Tumor markers.
 9. Bronchial adenoma.
 10. Environmental pollution.
-

March 2009

[KU 168]

Sub. Code: 2063

M.D. DEGREE EXAMINATION

Branch XVII – TUBERCULOSIS AND RESPIRATORY DISEASES

Part II – Paper II – (Candidates admitted upto 2003-04) and

Paper III – (For candidates admitted from 2004-2005 to 2007-2008)

NON-TUBERCULOSIS CHEST DISEASES

Q.P. Code : 202063

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions :

(2 x 20 = 40)

1. Discuss the etiology, clinical features and management of Hospital acquired pneumonia.
2. Discuss the clinical features and management of Hypersensitive pneumonitis.

II. Write short notes on :

(10 x 6 = 60)

1. Difficult asthma.
2. Thoracoscopy.
3. Obstructive sleep apnoea.
4. Adverse effects of steroids.
5. Budesonide.
6. Treatment of small cell lung cancer.
7. Acute laryngotracheobronchitis.
8. Melioidosis.
9. Invasive aspergillosis.
10. High frequency ventilation.

September 2009

[KV 168]

Sub. Code: 2063

M.D. DEGREE EXAMINATION

Branch XVII – TUBERCULOSIS AND RESPIRATORY DISEASES

Part II – Paper II – (Candidates admitted upto 2003-04) and

Paper III – (For candidates admitted from 2004-2005 to 2007-2008)

NON-TUBERCULOSIS CHEST DISEASES

Q.P. Code : 202063

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 Pneumocystis pneumonia.
2. Describe the pulmonary defense mechanisms.

II. Write short notes on :

(10 x 6 = 60)

1. Investigations in Pulmonary thromboembolism.
2. Management of hemoptysis.
3. Pulmonary Hydatid disease.
4. Byssinosis.
5. Radiological signs of Collapse.
6. BAL.
7. Investigations and treatment of sarcoidosis.
8. Bronchial carcinoid.
9. Chylothorax.
10. Pulmonary aspergillosis.

MAY 2011

[KY 168]

Sub. Code: 2063

M.D. DEGREE EXAMINATION
BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE
NON-TUBERCULOSIS CHEST DISEASES

Q.P. Code : 202063

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.) (Max.) (Max.)

- | | | | |
|--|----|----|----|
| 1. Define Chronic Obstructive Pulmonary Disease (COPD). Enumerate the risk factors and management of a COPD patient. | 11 | 35 | 15 |
| 2. Enumerate the clinical features and management of Non small cell lung cancer. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Accelerated silicosis. | 4 | 10 | 7 |
| 2. Single breath test. | 4 | 10 | 7 |
| 3. Sildenafil. | 4 | 10 | 7 |
| 4. Aging lung. | 4 | 10 | 7 |
| 5. Exercise induced asthma. | 4 | 10 | 7 |
| 6. Long term oxygen therapy. | 4 | 10 | 7 |
| 7. Secondary spontaneous pneumothorax. | 4 | 10 | 7 |
| 8. Rheumatoid lung. | 4 | 10 | 7 |
| 9. Nosocomial pneumonia. | 4 | 10 | 7 |
| 10. Influenza vaccine. | 4 | 10 | 7 |

April 2012

[LA 168]

Sub. Code: 2063

M.D. DEGREE EXAMINATION

BRANCH XVII –TUBERCULOSIS AND RESPIRATORY MEDICINE

NON-TUBERCULOSIS CHEST DISEASES

Q.P. Code : 202063

**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. Describe the pathophysiology , clinical features and management of Allergic Bronchio pulmonary Aspergillosis.	16	35	15
2. Briefly describe lung transplantation and management of its complications.	16	35	15

II. Write notes on :

1. Symptoms and consequences of sleep Apnoea.	4	10	7
2. Procedure involved in open lung Biopsy.	4	10	7
3. Hospital Acquired Pneumonia- management.	4	10	7
4. Describe the mediastinal components and its contents.	4	10	7
5. Weaning of patient from ventilator.	4	10	7
6. Pathogenesis, clinical features and treatment of Bronchogenic cyst.	4	10	7
7. Diagnosis and treatment of Pneumocystis carini pneumonia.	4	10	7
8. Clinical significance of Caplan syndrome.	4	10	7
9. Differences between the lung sequestration and their diagnosis.	4	10	7
10. Clinical features and treatment of Carcinoid tumor.	4	10	7

(LC 168)

APRIL 2013

Sub. Code: 2063

**M.D. DEGREE EXAMINATION
BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

NON-TUBERCULOSIS CHEST DISEASES

Q.P. Code: 202063

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2x15=30)

1. Discuss the classification, clinical features, diagnosis and management of Interstitial Lung Diseases.
2. Discuss the clinical features, diagnosis, staging and management of Asthma.

II. Write notes on:

(10x7=70)

1. Oxygen toxicity
2. Chloro-Fluoro-Carbon
3. Serum markers of Lung Cancer
4. Byssinosis
5. Mesothelioma
6. Usefulness of Computerised Tomogram in Lung Disease
7. Drug-interaction in HIV and Tuberculosis therapy
8. Kartagener's Syndrome
9. Pleuroscopy
10. Pre-operative evaluation of Lung Function.

(LE 168)

APRIL 2014

Sub. Code:2063

**M.D. DEGREE EXAMINATION
BRANCH XVII - TUBERCULOSIS AND RESPIRATORY MEDICINE**

NON-TUBERCULOSIS CHEST DISEASES

Q.P.Code: 202063

Time: Three Hours

Maximum: 100 marks

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

1. Pulmonary Aspergillosis.
2. Para-pneumonic Effusion & Management.

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

1. Occupational Asthma.
2. Bagpipe Sign.
3. Rheumatoid Pleural Effusion.
4. Pulmonary Alveolar Proteinosis.
5. Pulmonary Amoebiasis.
6. Immotile Cilia Syndrome.
7. Respiratory Manifestations in Systemic Lupus Erythematosus (SLE).
8. Re-breathable mask.
9. Role of Fibreoptic Bronchoscopy (FOB) in Intensive Care Unit (ICU).
10. Hemothorax.

[LG 168]

APRIL 2015

Sub. Code: 2063

M.D. DEGREE EXAMINATION

BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE

PAPER III – NON-TUBERCULOSIS CHEST DISEASES

Q.P. Code: 202063

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the pathogenesis, clinical features, diagnosis and management of Idiopathic pulmonary fibrosis.
2. Discuss the Skeleto-muscular diseases of the Thoracic cage.

II. Write notes on:

(10 x 7 = 70)

1. Vanishing Lung syndrome.
2. Lung abscess.
3. Tropical pulmonary eosinophilia.
4. Langerhans cell histiocytosis and Lung.
5. Pneumothorax.
6. Spiral CT of chest.
7. Bronchiectasis sicca.
8. Adenoid cystic carcinoma of Lung.
9. Ventilator associated pneumonia.
10. High altitude sickness.

(LI 168)

APRIL 2016

Sub. Code:2063

**M.D. DEGREE EXAMINATION
BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

PAPER III – NON-TUBERCULOSIS CHEST DISEASES

Q.P.Code: 202063

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss various indications for Single / Double Lung Transplantations Enumerate post lung transplantation pulmonary complications.
2. Discuss the Definition, diagnostics methods, causes and recent management in ARDS.

II. Write notes on: **(10 x 7 = 70)**

1. Risks associated with high FiO₂.
2. Differential diagnosis of Non – Specific Interstitial Pneumonia pattern in HRCT Chest.
3. Discuss Contra indications for Fibre Optic Bronchoscopy.
4. Post operative pulmonary complications.
5. Target groups for Influenza Vaccination.
6. Preventive Strategies to avoid Hospital Acquired Pneumonia.
7. Pharmacotherapy of Allergic Broncho Pulmonary Aspergillosis.
8. Pharmacotherapy of Pulmonary Hypertension.
9. What are Category A agents (CDC) of Bio Terrorism and ways to diagnose the same?
10. Discuss Lung Disorders associated with Marfan's Syndrome.

(LJ 168)

OCTOBER 2016

Sub. Code:2063

M.D. DEGREE EXAMINATION

BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE

PAPER III – NON-TUBERCULOSIS CHEST DISEASES

Q.P.Code: 202063

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the pathogenesis, clinical features, diagnosis and management of Silicosis.
2. Discuss the evaluation of Solitary Pulmonary Nodule.

II. Write notes on: **(10 x 7 = 70)**

1. Obesity and lung.
2. Acebrophylline.
3. Transthoracic Lung biopsy.
4. HRCT Signs of Bronchiectasis.
5. Hemothorax.
6. Virtual Bronchoscopy.
7. Vocal cord Dysfunction.
8. Small cell carcinoma.
9. Severe persistent Asthma.
10. Pneumococcal Vaccine.

M.D. DEGREE EXAMINATION
BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE

PAPER III – NON-TUBERCULOSIS CHEST DISEASES

Q.P.Code: 202063

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the impact of Environmental Pollution in your city what are the Recommended Air born Infection control measures for the Out-Patient and In-Patient facilities of a Respiratory Care Centre discuss measures to prevent Nosocomial Infections.
2. Discuss clinical approach to Difficult to treat Asthma discuss merits and demerits of using biologicals for their management.

II. Write notes on: **(10 x 7 = 70)**

1. Discuss the components of Controlled Mandatory Ventilation.
2. Neuro endocrine lung proliferations and tumors.
3. Indications and Contra Indications for Cardio Pulmonary Exercise Testing.
4. Discuss potential complications of excessive cough.
5. Post Lung Transplant Pulmonary complications.
6. Pulmonary Nocardiosis.
7. Treatment of Pneumocystis Jiroveci Pneumonia. (PCP).
8. Fitness assessment for Air Travel in Lung diseases.
9. Blast Lung Injury.
10. Patho Physiology of Acute mountain sickness.

M.D. DEGREE EXAMINATION
BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE
PAPER III – NON-TUBERCULOSIS CHEST DISEASES

Q.P.Code: 202063

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss in detail the Causes Clinical features, diagnosis and management of **Diffuse Alveolar Haemorrhage**.
2. Discuss in detail about evaluation of Sleep disordered Breathing. What are the components of Polysomography? Discuss various treatment options.

II. Write notes on: **(10 x 7 = 70)**

1. Community acquired strain of MRSA (CA-MRSA).
2. Therapeutic strategies for Pulmonary Hypertension due to Lung diseases (PH-LD).
3. Inflammatory effects following Pulmonary Contusion.
4. Lung Injury score.
5. Lymphocytic interstitial Pneumonia.
6. Pulmonary manifestations of Rheumatoid Arthritis.
7. New diagnostic criteria of ABPA (Allergic broncho-pulmonary Aspergillosis).
8. Paraneoplastic syndromes with Lung malignancy.
9. Industries associated with Silicosis.
10. Potential complications from excessive cough.

M.D. DEGREE EXAMINATION
BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE
PAPER III – NON-TUBERCULOSIS CHEST DISEASES

Q.P. Code: 202063

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Enumerate various Viral Respiratory Pathogens. How will you prepare the community during an epidemic of Influenza? Mention important Anti Viral Drugs and their action.
2. Mention Important Fungal Pathogens of the Respiratory tract, ways to diagnose Invasive Aspergillosis and Antifungal treatment agents.

II. Write notes on:

(10 x 7 = 70)

1. Health hazards of cigarette smoke.
2. Respiratory complications of Cystic Fibrosis.
3. Post Lung transplantation Bronchiolitis Obliterans.
4. Targetted Chemotherapy for Lung Malignancy.
5. Pathological changes found in COPD.
6. Occupational agents that cause Bronchial Asthma.
7. Indications for Pulmonary Metastectomy.
8. Principles of management of Acute Lung Injury.
9. Principal Pulmonary effects of Cocaine.
10. Components Respiratory Impairment evaluation.
