

APRIL 2001

[KD 1542]

Sub. Code : 3054

DIPLOMA IN TUBERCULOSIS AND CHEST
DISEASES EXAMINATION.

(New Regulations)

Part II

Paper II — NON TUBERCULOUS CHEST DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss Pulmonary manifestations of collagen vascular diseases. (25)
 2. Discuss Sarcoidosis. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Bronchiectasis
 - (b) Haemoptysis
 - (c) CO₂ narcosis
 - (d) Nebulisation
 - (e) A.R.D.S.
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NOVEMBER 2001

[KE 1542]

Sub. Code : 3054

**DIPLOMA IN TUBERCULOSIS AND CHEST
DISEASES EXAMINATION.**

(New Regulations)

Part II

Paper II — NONTUBERCULOUS CHEST DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the various aspects of Chronic Obstructive Pulmonary Disease (COPD). (25)
 2. What are the ways by which parasites affect the lung? Describe pleuropulmonary amebiasis. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Aspiration pneumonia
 - (b) Haemoptysis
 - (c) Tobacco smoking
 - (d) Lung biopsy
 - (e) Nosocomial infection.
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NOVEMBER 2001

[KE 1542]

Sub. Code : 3054

**DIPLOMA IN TUBERCULOSIS AND CHEST
DISEASES EXAMINATION.**

(New Regulations)

Part II

Paper II — NONTUBERCULOUS CHEST DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the various aspects of Chronic Obstructive Pulmonary Disease (COPD). (25)
 2. What are the ways by which parasites affect the lung? Describe pleuropulmonary amebiasis. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Aspiration pneumonia
 - (b) Haemoptysis
 - (c) Tobacco smoking
 - (d) Lung biopsy
 - (e) Nosocomial infection.
-

SEPTEMBER 2002

[KH 1542]

Sub. Code : 3054

**DIPLOMA IN TUBERCULOSIS AND CHEST
DISEASES EXAMINATION.**

(New Regulations)

Part II

Paper II — NON-TUBERCULOSIS CHEST DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the aetiology of Lung Cancer. How do you Stage Lung Cancer? Discuss the treatment of Small Cell Lung Cancer. (25)
 2. How do you classify Pneumonia? What are the clinical features of Community Acquired Pneumonia? How will you investigate and treat Severe Community Acquired Pneumonia? (25)
 3. Write briefly : (5 × 10 = 50)
 - (a) Aerosol therapy in Bronchial Asthma.
 - (b) Silicotuberculosis.
 - (c) Acute Lung Injury.
 - (d) Clubbing in Respiratory disorders.
 - (e) Sequestration of Lung.
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APRIL 2003

[KI 1542]

Sub. Code : 3054

**DIPLOMA IN TUBERCULOSIS AND CHEST
DISEASES EXAMINATION.**

(New Regulations)

Part II

Paper II — NON TUBERCULOUS CHEST DISEASES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the pathogenesis, clinical manifestations, complications, diagnosis and treatment of PCP in HIV patients. (25)
 2. Discuss the aetiopathogenesis, clinical features, diagnostic methods and the approaches in the management of patients with superior vena cava syndrome. (25)
 3. Write briefly on : (5 × 10 = 50)
 - (a) Sjogren's syndrome
 - (b) Acute Severe Asthma
 - (c) CPAP
 - (d) Therapeutic Bronchoscopy
 - (e) Applications of MRI in thoracic lesions.
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Sub. Code : 3054

DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES EXAMINATION.

(New Regulations)

Part II

Paper II — NON TUBERCULOUS 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.

Essay Questions : (2 × 15 = 30)

1. Define COPD. Briefly discuss its diagnosis and management. (15)
2. Discuss clinical features, diagnosis and management of lung abscess. (15)

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

- (1) **Pneumocystis pneumonia.**
- (2) **Hydatid Diseases.**
- (3) **Clinical features of thrombo-embolic pulmonary disease.**
- (4) **Factors predisposing bronchiectasis.**
- (5) **Extra Thoracic Sarcoidosis.**
- (6) **Allergic Broncho Pulmonary Aspergillosis (ABPA).**
- (7) **Spontaneous Pneumo-thorax.**
- (8) **Occupational Asthma.**
- (9) **TNM Classification for lung cancer.**
- (10) **Tietze's Syndrome.**

AUGUST 2004

[KL 1542]

Sub. Code : 3054

DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES EXAMINATION.

(New Regulations)

Part II

Paper II — NON TUBERCULOUS 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 Questions :

(2 × 15 = 30)

- (1) Discuss the pulmonary complications of AIDS.
- (2) Describe the clinical features and diagnosis of pulmonary thrombo embolism.

II. Write short notes on :

(10 x 5 = 50)

- (a) PEFR
- (b) α -1 antitrypsin deficiency
- (c) Mediastinoscopy
- (d) Gene therapy
- (e) Bronchial artery embolisation
- (f) Wegner's granulomatosis
- (g) Metered dose inhalors
- (h) Recurrent pneumothorax
- (i) CPAP
- (j) Screening for lung cancer.

FEBRUARY 2005

[KM 1542]

Sub. Code : 3054

DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES EXAMINATION.

(New Regulations)

Part - II

Paper II—NON TUBERCULOUS CHEST DISEASES

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes	Theory : 80 marks
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M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

- (1) Describe the clinical presentations, diagnosis and management of non-small cell lung carcinoma
- (2) Describe pathophysiology, diagnostic aspects and management of acute-pulmonary thromboembolism.

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

- (a) Closed needle biopsy of pleura.
(b) Reid Index
(c) Corticosteroid resistant asthma

- (d) Smoking cessation
- (e) Thoracic sarcoidosis
- (f) Partial liquid ventilation
- (g) Atelectasis
- (h) Non resolving pneumonia
- (i) Pulmonary manifestations of systemic lupus erythematosus
- (j) Bilateral diaphragmatic paralysis.

MARCH 2006

[KO 1542]

Sub. Code : 3054

DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES EXAMINATION.

NON-TUBERCULOUS CHEST DISEASES

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes	Theory : 80 marks
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M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Respiratory infections in the immuno compromised and their management.

(2) Pulmonary manifestations of systemic disease.

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

(a) Shock lung.

(b) Chronic mountain sickness.

(c) Lung compliance.

(d) Type II pneumonocyte.

(e) *Legionella pneumonia*.

(f) Broncho pulmonary Aspergillosis.

(g) Borhalm Diseases.

(h) Closing Volume.

(i) Anti leukotrienes.

(j) Alveolar macrophages.

SEPTEMBER 2006

[KP 1542]

Sub. Code : 3054

DIPLOMA IN TUBERCULOSIS AND CHEST
DISEASES EXAMINATION.

NON-TUBERCULOUS 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.

Essay :

(1) Describe pathogenesis, clinical features,
diagnostic approach and management of malignant
pleural effusion. (20)

(2) Discuss aetiopathogenesis, clinical
manifestations, diagnosis and management of 'ARDS'.
(15)

(3) Discuss Community Acquired Pneumonia
(CAP). (15)

II. Short notes :

(6 × 5 = 30)

- (a) Dry powder inhaler
 - (b) Nocturnal oxygen therapy
 - (c) Anti IgE in Bronchial Asthma
 - (d) Extrinsic Allergic Alveolitis
 - (e) Thorocscopy
 - (f) Silhouette sign.
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MARCH 2007

[KQ 1542]

Sub. Code : 3054

**DIPLOMA IN TUBERCULOSIS AND CHEST
DISEASES (D.T.C.D.) EXAMINATION.**

Paper III — NON-TUBERCULOUS CHEST DISEASES

(Common to

**Candidates admitted from 1993–94 onwards
and**

Candidates admitted from 2004–05 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 risk factor, pathophysiology, clinical manifestation and management of massive pulmonary embolism. (20)**
- 2. Describe diagnostic techniques of pulmonary carcinoma and how will you manage small cell carcinoma? (15)**
- 3. Describe assessment and management of acute severe asthma. (15)**

II. Short notes :

(6 × 5 = 30)

- (a) Hantavirus pulmonary syndrome.**
 - (b) Shuttle walk test.**
 - (c) Sweat chloride test.**
 - (d) Postoperative pneumonia.**
 - (e) Usual interstitial pneumonia.**
 - (f) Non-invasive ventilation.**
-

MARCH 2008

[KS 1542]

Sub. Code : 3054

DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES (D.T.C.D)
EXAMINATION.

Paper III — NON-TUBERCULOUS CHEST DISEASES

(Common to all regulations)

Q.P. Code : 343054

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

Draw diagrams wherever necessary.

- I. Essay questions : (2 × 20 = 40)
- (1) Enumerate principles of aerosol therapy. What are the inhalation devices used for treating bronchial asthma and how will you educate patient in using them?(5 + 5 + 10 = 20)
 - (2) Discuss aetiopathogenesis, clinical manifestations, diagnosis and management of 'ARDS'. (20)
- II. Short notes on : (10 × 6 = 60)
- (1) Brachytherapy.
 - (2) Pre-operative pulmonary evaluation.
 - (3) Utility of scoring systems in intensive care.
 - (4) Broncho-alveolar lavage.
 - (5) Pneumonias in transplant recipients.
 - (6) Pneumomediastinum.
 - (7) Inhaled antibiotics in respiratory diseases.
 - (8) Pleurodesis-medical and surgical.
 - (9) Steroid sparing drugs in steroid resistant asthma.
 - (10) Pulmonary ascariasis.
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September 2008

[KT 1542]

Sub. Code: 3054

**DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES
EXAMINATION.**

Paper III – NON-TUBERCULOUS CHEST DISEASES

(Common to all Candidates)

Q.P. Code : 343054

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Describe the approach to diagnosis and management of idiopathic – Interstitial pneumonias.
2. Describe the staging and management of lung cancer.

II. Write short notes on :

(10 X 6 = 60)

1. Virtual Bronchoscopy.
 2. Chronic cough.
 3. Pleurodesis.
 4. Increase in permeability pulmonary oedema.
 5. Broncho-alveolar lavage.
 6. Tietze's syndrome
 7. Proximal bronchiectasis.
 8. Massive haemoptysis.
 9. Aerosol therapy.
 10. Ventilator associated pneumonia.
-

MARCH -2009

[KU 1542]

Sub. Code: 3054

**DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES
EXAMINATION.**

Paper III – NON-TUBERCULOUS CHEST DISEASES

(Common to all Candidates)

Q.P. Code : 343054

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

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

1. Discuss the etiopathogenesis and management of pulmonary thromboembolism.
2. Discuss the diagnosis and management of Nosocomial pneumonia.

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

1. Smoking cessation programme.
2. Pulmonary Hemorrhage syndrome.
3. Mediastinal Emphysema.
4. Hiatus hernia.
5. Parapneumonic effusion.
6. Leukotrienes.
7. Benign Asbestos pleural effusion.
8. Acute severe Asthma.
9. NIV.
10. EBUS.

September - 2009

[KV 1542]

Sub. Code: 3054

**DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES
EXAMINATION.**

Paper III – NON-TUBERCULOUS CHEST DISEASES

(Common to all Candidates)

Q.P. Code : 343054

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

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

1. Discuss the indication and modes of oxygen therapy.
2. How will you assess the severity of community acquired pneumonia?
Briefly outline the management of CAP.

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

1. Acute Lung injury.
2. Wegners granulomatosis.
3. Overlap syndrome.
4. LVRS.
5. Sublingual immunotherapy.
6. Lipoxygenase pathway.
7. Pulmonary sarcoid.
8. Occupational asthma.
9. Long acting beta agonists.
10. Vocal cord dysfunction.

APRIL 2011

[KY 1542]

Sub. Code: 3054

DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES

EXAMINATION

NON-TUBERCULOUS CHEST DISEASES

Q.P. Code : 343054

**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. Define Bronchiectasis and discuss its etiology, pathogenesis, complication and management.	11	35	15
2. Define cor pulmonale and discuss its types, pathogenesis, clinical features and management.	11	35	15

II. Write notes on :

1. Reactive Airway Dysfunction Syndrome (RADS).	4	10	7
2. Lung abscess – Role of bronchoscopy.	4	10	7
3. Acute upper respiratory infections.	4	10	7
4. ‘HAMPTON HUMP’.	4	10	7
5. Bronchiolo Alveolar Carcinoma.	4	10	7
6. BOOP (Bronchiolitis Obliterans Organising Pneumonia).	4	10	7
7. Hypersensitivity Pneumonitis.	4	10	7
8. Metastasis to lung.	4	10	7
9. Pseudomonas pneumonia.	4	10	7
10. Honey comb lung.	4	10	7

[LA 1542]

April 2012

Sub. Code: 3054

DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES

EXAMINATION

NON-TUBERCULOUS CHEST DISEASES

Q.P. Code : 343054

**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 pre-operative pulmonary evaluation and post-operative respiratory complications.	16	35	15
2. Describe the causes and evaluation of non-resolving pneumonia.	16	35	15

II. Write notes on :

1. Describe the exercise tests in evaluation of patient with respiratory diseases.	4	10	7
2. What are the criteria for a good spirometry maneuver?	4	10	7
3. Describe various advanced diagnostic bronchoscopic procedures.	4	10	7
4. Describe the types and clinical applications of bronchial hygiene therapy.	4	10	7
5. What are the advantages of non-invasive ventilation?	4	10	7
6. Describe the principles of management of ARDS.	4	10	7
7. How will you evaluate a patient with suspected alveolar haemorrhage?	4	10	7
8. What are the risk factors for COPD?	4	10	7
9. How will you evaluate a patient with bronchiectasis?	4	10	7
10. Describe the approach to an immunocompromised patient with pulmonary infiltrates.	4	10	7

**DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES (DTCD)
EXAMINATION**

NON – TUBERCULOUS CHEST DISEASES

Q.P. Code: 343054

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Enumerate the risk factors and management of pulmonary thromboembolic diseases.
2. Classify lung malignancies and discuss the management of squamous cell carcinoma.

II. Write notes on:

(10X7=70)

1. Complications and management of bullous lung diseases
2. Diagnosis and management of byssiniosis
3. Diagnosis and management of Chylothorax
4. Bronchioloalveolar carcinoma
5. Nosocomial pneumonia
6. Treatment of pneumocystis pneumonia
7. High altitude pulmonary oedema
8. Obstructive sleep apnoea
9. Long acting bronchodilators
10. Risk factors for Chronic Obstructive Pulmonary Diseases (COPD)

(LD 1542)

OCTOBER 2013

Sub. Code: 3054

**DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES (DTCD)
EXAMINATION**

NON – TUBERCULOUS CHEST DISEASES

Q.P. Code: 343054

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Clinical features, Diagnosis & Management of Community Acquired Pneumonia.
2. Management of Acute Severe Asthma.

II. Write notes on:

(10X7=70)

1. Interstitial Pulmonary Oedema.
2. Hyper-eosinophilic syndrome.
3. Tension Pneumothorax
4. Sniff Test.
5. Role of NIV in COPD.
6. Farmer's Lung.
7. Kartagener's Syndrome.
8. Fallen Lung Sign.
9. Auto-Fluorescence Bronchoscopy.
10. EBUS.

(LE 1542)

APRIL 2014

Sub. Code:3054

**DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES (DTCD)
EXAMINATION**

NON – TUBERCULOUS CHEST DISEASES

Q.P.Code: 343054

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Clinical features, Diagnosis & Management of Pneumocystis Carinii Pneumonia (PCP).
2. Pulmonary Rehabilitation.

II. Write notes on:

(10X7=70)

1. Pulmonary Arterio-Venous (AV) Malformation.
2. Bronchial artery Embolisation.
3. Endotracheal intubation.
4. Prone Ventilation.
5. Ventilator associated Pneumonia.
6. Follicular Bronchiectasis.
7. Virtual Bronchoscopy.
8. Fitness for Air Travel.
9. Chemical Pleurodesis.
10. Aspergilloma.

(LF 1542)

OCTOBER 2014

Sub. Code:3054

**DIPLOMA IN TUBERCULOSIS AND CHEST DISEASES (DTCD)
EXAMINATION**

NON – TUBERCULOUS CHEST DISEASES

Q.P.Code: 343054

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe classification, diagnosis and management of Interstitial Lung Diseases.
2. Describe clinical features, diagnosis and management of lung abscess.

II. Write notes on:

(10 x 7 = 70)

1. Lemierre's Syndrome.
2. Newer Bronchodilators.
3. Parapneumonic Effusions.
4. Hydatid Diseases.
5. Porto Pulmonary Hypertension.
6. Non Invasive Ventilation.
7. Mediastinoscopy.
8. Lofgren Syndrome.
9. Lung Injury Score.
10. Permissive Hypercapnia.
