

April-2001

[KD 188]

Sub. Code : 2096

**M.D. DEGREE EXAMINATION**

(Revised Regulations)

Branch XVII — Tuberculosis and Rep. Diseases

Part II

Paper I — TUBERCULOSIS

(PULMONARY AND EXTRA PULMONARY)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the Epidemiology of Pulmonary Tuberculosis in India (25)
  2. Discuss the pathogenesis, Diagnosis and management of Abdominal Tuberculosis. (25)
  3. Discuss briefly : (5 × 10 = 50)
    - (a) Tuberculosis test
    - (b) Chemoprophylation for tuberculosis
    - (c) Polymerase chain reaction in diagnosis of tuberculosis
    - (d) Cytokines in Tuberculosis
    - (e) Corticosteroid in Tuberculosis.
-

March-2002

[KG 188]

Sub. Code : 2096

**M.D. DEGREE EXAMINATION.**

(Revised Regulations)

**Branch XVII — Tuberculosis and Respiratory Diseases**

**Part II**

**Paper I — TUBERCULOSIS (PULMONARY AND  
EXTRAPULMONARY)**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. What are the clinical manifestations of Tuberculosis (pulmonary and extrapulmonary) in a patient with HIV infection? How will you manage both the disease? What is the chemoprophylaxis you will suggest for Tuberculosis in HIV infected individuals.  
(10 + 10 + 5 = 25)
2. Describe the objectives of the Revised National Tuberculosis Control Programme (RNTCP) and discuss the problems in implementing it. (10 + 15 = 25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Tuberculin testing.
  - (b) Treatment of a chronic case of pulmonary tuberculosis.
  - (c) Congenital tuberculosis.
  - (d) Skeletal tuberculosis.
  - (e) Bactec test in tuberculosis.

April-2003

[KI 188]

Sub. Code : 2096

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper I — TUBERCULOSIS

(PULMONARY AND EXTRA PULMONARY)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Give in short pathogenesis and treatment of T.B. Spine. (25)
  2. Discuss pathology of T.B. pericarditis. Discuss line of treatment. (25)
  3. Write briefly on : (5 × 10 = 50)
    - (a) Revised T.B. control programme
    - (b) Surgery in Tuberculosis
    - (c) T.B. of Hip joint
    - (d) T.B. of Skin
    - (e) Complication of Pulmonary Tuberculosis.
-

[KQ 166]

Sub. Code : 2097

**M.D. DEGREE EXAMINATION.**

Branch XVII — Tuberculosis and Respiratory diseases

**TUBERCULOSIS  
(PULMONARY AND EXTRAPULMONARY)**

Common to :

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

And

Paper II — (For candidates admitted from 2004–05  
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.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) Discuss the problem of bacterial resistance in  
tuberculosis as relevant to our country. (20)

(2) Discuss the clinical features and  
management of Tuberculosis of pleura. (15)

(3) Management of Haemoptysis. (15)

II. Write short notes on :

(6 × 5 = 30)

- (a) XDR-TB
  - (b) Management of tuberculosis in pregnancy
  - (c) Lubek disaster
  - (d) PCR in diagnosis of tuberculosis
  - (e) Rifabutin
  - (f) Tuberculous laryngitis.
-

[KR 182]

Sub. Code : 2075

**M.D. DEGREE EXAMINATION.**

**Branch XVII — Tuberculosis and Respiratory Diseases**

**TUBERCULOSIS**

**(PULMONARY AND EXTRA PULMONARY)**

**Common to :**

**Part II — Paper I — (Old/New/Revised Regulations)**

**(Candidates admitted from 1988–89 onwards)**

**And**

**Paper II — (For 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.**

**I. Essay questions :**

**1. Discuss the organizational set up of RNTCP. What is the scientific basis of Intermittent DOTS? (20)**

**2. What is MDR-TB? Discuss the issues in relation to management of a case of MDR-TB. (15)**

**3. Describe the clinical presentations and management of M.Tb infection in an HIV patient (15)**

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

**(a) Tuberculin test**

**(b) Pyrazinamide**

**(c) Lupus vulgaris**

**(d) Constrictive pericarditis**

**(e) Mycobacterium avium intercellulare**

**(f) Chengelpet trial**

**MARCH 2008**

**[KS 167]**

**Sub. Code : 2062**

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

**TUBERCULOSIS**

(PULMONARY AND EXTRA PULMONARY)

Common to

Part II — Paper I — (Old/New/Revised Regulations)

(Candidates admitted from 2003-04)

And

Paper II — (For candidates admitted from 2004-05 onwards)

**Q.P. Code : 202062**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Essays : (2 × 20 = 40)
- (1) Write in detail the epidemiological status, pathogenesis, diagnosis and treatment of coinfection of MTB-HIV.
  - (2) Discuss in detail about second line anti TB drugs and therapy of M.D.R. tuberculosis.
- II. Short notes : (10 × 6 = 60)
- (1) Immune reconstitution syndrome.
  - (2) Ocular tuberculosis.
  - (3) Latent tuberculosis.
  - (4) Mycobacterium marinum.
  - (5) Bactec system.
  - (6) Rifabutin.
  - (7) Niacin test.
  - (8) DNA probes.
  - (9) Meningial tuberculosis.
  - (10) B.C.G.
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September 2008

[KT 167]

Sub. Code: 2062

**M.D. DEGREE EXAMINATION**

**Branch XVII –Tuberculosis and Respiratory Diseases**

**TUBERCULOSIS  
(PULMONARY AND EXTRA PULMONARY)**

**Common to  
Part II – Paper I - (Old /New/Revised Regulations)  
(Candidates admitted upto 2003-04) and  
Paper II – (For candidates admitted from 2004-2005 onwards)  
Q.P. Code : 202062**

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

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

1. Discuss the epidemiological basis of revised national TB control programme and mention it's merits and demerits.
2. Describe the formation, fate and complications of a tuberculous cavity.

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

1. Congenital tuberculosis.
  2. Rifampicin toxicity.
  3. Thoracoplasty.
  4. Lag period.
  5. Robert Koch.
  6. H37 RV.
  7. Tuberculosis in pregnancy.
  8. Breast feeding in the post partum patient with tuberculosis.
  9. Luciferase reporter assay.
  10. Diagnosis of MDR – TB.
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**March 2009**

**[KU 167]**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**Branch XVII – TUBERCULOSIS AND RESPIRATORY DISEASES  
TUBERCULOSIS**

**Part II – Paper I - (Candidates admitted upto 2003-04) and  
Paper II – (For candidates admitted from 2004-2005 to 2007-2008)**

**TUBERCULOSIS  
(PULMONARY AND EXTRA PULMONARY)  
Q.P. Code : 202062**

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary**

**Answer ALL questions**

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

1. Discuss the merits and demerits of DOTS. What is DOTS PLUS?
2. Discuss the clinical features, diagnosis and management of tuberculous pericarditis.

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

1. Lupus vulgaris.
2. Poncets disease.
3. Tuberculosis in pregnancy.
4. Lower lung field tuberculosis.
5. Brock's syndrome.
6. Thoracoplasty.
7. Cycloserine.
8. Koch's postulates.
9. Primary drug resistance.
10. National sample survey.

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**September 2009**

**[KV 167]**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**Branch XVII – TUBERCULOSIS AND RESPIRATORY DISEASES**

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

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

**TUBERCULOSIS  
(PULMONARY AND EXTRA PULMONARY)**

***Q.P. Code : 202062***

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary**

**Answer ALL questions**

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

1. Define drug resistance in mycobacteria. Describe the various mechanisms of drug resistance in mycobacteria. Discuss the DOTS PLUS programme.
2. Describe the conventional and newer techniques for the diagnosis of tuberculous disease.

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

1. Tuberculous cavity.
2. Collapse therapy.
3. Nosocomial tuberculosis and its prevention.
4. Tuberculous lymphadenitis.
5. Management of HIV – TB co-infection.
6. Principles of Anti-Tuberculous therapy.
7. Miliary Tuberculosis.
8. BCG vaccination.
9. Clinical features and management of MAIC disease.
10. Pericardial Tuberculosis.

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September 2010

[KX 167]

Sub. Code: 2062

**M.D. DEGREE EXAMINATION**

**Branch XVII –TUBERCULOSIS AND RESPIRATORY MEDICINE**

**TUBERCULOSIS  
(PULMONARY AND EXTRA PULMONARY)**

**Paper II – (For candidates admitted from 2004-2005 to 2007-2008) and  
Part II – Paper I - (for candidates admitted from 2008-09 onwards)**

***Q.P. Code : 202062***

**Time : Three hours**

**Maximum : 100 marks**

**Draw suitable diagram wherever necessary.**

**Answer ALL questions.**

**I. Essay questions :**

**(2 X 20 = 40)**

1. Discuss in detail the Pathogenesis, clinical features and management of Disseminated Tuberculosis.
2. Describe the Pathogenesis, diagnosis and management of Genito Urinary Tuberculosis.

**II. Write short notes on :**

**(10 X 6 = 60)**

1. Endobronchial Tuberculosis.
2. Encysted Pleural effusion.
3. Tuberculins.
4. Mycobacterium marinum.
5. Management of HIV-TB co-infection.
6. BCG vaccination.
7. Congenital Tuberculosis.
8. Role of PCR in Tuberculosis.
9. Pericardial tuberculosis.
10. Tuberculous Choroiditis.

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**MAY 2011**

**[KY 167]**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**TUBERCULOSIS**

**(PULMONARY AND EXTRA PULMONARY)**

***Q.P. Code : 202062***

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

| <b>Pages<br/>(Max.)</b> | <b>Time<br/>(Max.)</b> | <b>Marks<br/>(Max.)</b> |
|-------------------------|------------------------|-------------------------|
|-------------------------|------------------------|-------------------------|

- |                                                                                                                |    |    |    |
|----------------------------------------------------------------------------------------------------------------|----|----|----|
| 1. Define Drug resistance in Tuberculosis and discuss in detail the management of Drug resistant Tuberculosis. | 11 | 35 | 15 |
| 2. Discuss the pathogenesis, clinical features and management of Lymphnode Tuberculosis.                       | 11 | 35 | 15 |

**II. Write notes on :**

- |                                                          |   |    |   |
|----------------------------------------------------------|---|----|---|
| 1. Silico Tuberculosis.                                  | 4 | 10 | 7 |
| 2. Role of surgery in pleuropulmonary tuberculosis.      | 4 | 10 | 7 |
| 3. Public private mix in Tuberculosis control programme. | 4 | 10 | 7 |
| 4. Primary Complex.                                      | 4 | 10 | 7 |
| 5. Mycobacterium vaccae.                                 | 4 | 10 | 7 |
| 6. Chemoprophylaxis for Tuberculosis.                    | 4 | 10 | 7 |
| 7. Diagnosis and treatment of Tuberculous Meningitis.    | 4 | 10 | 7 |
| 8. Lupus vulgaris.                                       | 4 | 10 | 7 |
| 9. Haematological manifestations of Tuberculosis.        | 4 | 10 | 7 |
| 10. Tuberculosis in health care workers.                 | 4 | 10 | 7 |

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April 2012

[LA 167]

Sub. Code: 2062

**M.D. DEGREE EXAMINATION  
BRANCH XVII –TUBERCULOSIS AND RESPIRATORY MEDICINE  
TUBERCULOSIS  
(PULMONARY AND EXTRA PULMONARY)**

***Q.P. Code : 202062***

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

|                                                                                                   | <b>Pages<br/>(Max.)</b> | <b>Time<br/>(Max.)</b> | <b>Marks<br/>(Max.)</b> |
|---------------------------------------------------------------------------------------------------|-------------------------|------------------------|-------------------------|
| 1. Describe the pathogenesis, diagnosis and management of tuberculous pericarditis with effusion. | 16                      | 35                     | 15                      |
| 2. Briefly describe the complications of pulmonary tuberculosis and management of hemoptysis.     | 16                      | 35                     | 15                      |

**II. Write notes on :**

|                                                                                     |   |    |   |
|-------------------------------------------------------------------------------------|---|----|---|
| 1. Pathogenesis and fate of Tuberculous Bronchopneumonia.                           | 4 | 10 | 7 |
| 2. Mycobacterial growth indicator tube application in the diagnosis of Mycobacteria | 4 | 10 | 7 |
| 3. Newer Rifamycins in the management of tuberculosis.                              | 4 | 10 | 7 |
| 4. Pathogenesis, clinical features and management of Broncho Pleural Fistula.       | 4 | 10 | 7 |
| 5. Management of tuberculosis during pregnancy and lactation.                       | 4 | 10 | 7 |
| 6. Describe the mode of presentation of Scrofuloderma.                              | 4 | 10 | 7 |
| 7. Mode of tuberculosis involvement of urinary Bladder and its diagnosis.           | 4 | 10 | 7 |
| 8. Chemoprophylaxis for Tuberculosis and its indications.                           | 4 | 10 | 7 |
| 9. Radiological manifestation of Pulmonary Tuberculosis and its fate.               | 4 | 10 | 7 |
| 10. Pathogenesis and clinical features of Eales Disease.                            | 4 | 10 | 7 |

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**(LC 167)**

**APRIL 2013**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**TUBERCULOSIS**

**(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe the pathology, pathogenesis, diagnosis and management of Tuberculous Empyema
2. Describe in detail the clinical features of Genital Tract Tuberculosis, their diagnosis and management.

**II. Write notes on:**

**(10X7=70)**

1. Tuberculin Skin Test
2. Role of Rifabutin in Tuberculosis
3. Tuberculosis in Diabetes Mellitus
4. Pleural Tuberculosis
5. Mycobacterium avium intracellulare
6. Lowenstein Jensen medium
7. Pott's spine
8. Thoracoplasty
9. Molecular diagnostics in Tuberculosis
10. Treatment after default

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**(LE 167)**

**APRIL 2014**

**Sub. Code:2062**

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

**TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P.Code: 202062***

**Time: Three Hours**

**Maximum: 100 marks**

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

1. Programmatic Management of HIV & TB.
2. Diagnosis & Management of TB Meningitis.

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

1. Latent TB.
2. Fall & rise Phenomenon.
3. Psoas Abscess.
4. RIM Sign.
5. TB of the EYE.
6. Rasmussen Aneurysm.
7. Reactivation of TB.
8. Mechanism of Drug Resistance in TB.
9. TB & Air Travel.
10. Treatment of TB in Patients with Hepatitis B.

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[LG 167]

APRIL 2015

Sub. Code: 2062

**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

**Q.P. Code: 202062**

**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the, clinical features, diagnosis and management of non tuberculous mycobacteria.
2. Describe in detail the clinical features of tuberculosis of the CNS.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Tuberculosis in female genital tract.
2. Granulomatous Hepatitis.
3. TB Hip.
4. Scrofuloderma.
5. Difference between M.tuberculosis and M.bovis.
6. Anti-TB drug administration in Renal dysfunction.
7. TB Epididymo-orchitis.
8. TB Pleural effusion.
9. Brock's syndrome.
10. Tuberculin Sensitivity testing.

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(LI 167)

**APRIL 2016**

**Sub. Code:2062**

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

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P.Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Why notification of Tuberculosis is important for the control of tuberculosis? What are the recent initiatives from Central and State Governments towards notification of TB? Discuss the available tools for notification of Diagnosed TB cases by Private Practitioners.
2. Discuss various clinical manifestations of Abdominal Tuberculosis. Role of Imaging and various radiological signs helpful in the diagnosis of abdominal tuberculosis.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Latest classification of Anti Tuberculosis Drugs.
2. Management options in the treatment of latent tuberculosis.
3. Diagnosis and management of Broncho Pleural Fistula.
4. Management options in ATT induced Hepatitis.
5. Complications of CNS Tuberculosis.
6. Important Clinical Manifestations of Non – TB Mycobacteria.
7. IRIS during HIV TB co-infection.
8. MDR TB and XDR TB Treatment Regimens in RNTCP.
9. Tuberculosis involvement of the knee joint.
10. Radiological features of Silico Tuberculosis.

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**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P.Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Describe the epidemiology of pulmonary tuberculosis in India.
2. Describe in detail the clinical features, diagnosis and management of tuberculosis pericarditis.

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

1. Congenital Tuberculosis.
2. Open negative syndrome.
3. TB Laryngitis.
4. Lupus Vulgaris.
5. Niacin test.
6. Anti-TB drugs in Liver dysfunction.
7. Miliary TB.
8. Empyema Necessitans.
9. Endo-bronchial tuberculosis.
10. XDR TB.

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**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P.Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Discuss the tools available for the diagnosis of Latent TB, management options and merits and de-merits of treating and non treating Latent TB.
2. Describe the mechanisms involved in the development of genitourinary TB., diagnostic modalities, reasons for infertility secondary to genitourinary TB.

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

1. Role of Operational Research in RNTCP.
2. Diagnosis of Pediatric Tuberculosis.
3. Radiological Signs in the Diagnosis of Abdominal Tuberculosis.
4. Pre Treatment evaluations of MDR TB. and XDR TB.
5. Drug interactions in Combined Anti TB and Anti Retro Viral Therapy.
6. Agents used for chemical pleurodesis and their merits.
7. Schedule of Bacteriological followup in the programmatic management of Drugs Resistant TB. (PMDT – Cat IV).
8. Tuberculosis manifestations of the skin.
9. Complications of Spinal Tuberculosis.
10. Clinical features of Pericardial Tuberculosis.

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**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P.Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Describe in detail on **THE END TB STRATEGY**. How India is preparing itself to meet the targets?
2. Describe in detail about various forms of **OSTEO ARTICULAR TUBERCULOSIS**, it's complications and Role of surgical management for the same.

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

1. Role of Medical Colleges in the implementation of RNTCP.
2. Epidemiological tools to assess the problem of TUBERCULOSIS. (PULMONARY AND EXTRA-PULMONARY) in a community.
3. Pulmonary sequelae due to Pulmonary Tuberculosis.
4. Tuberculous diseases of the Pleura.
5. Classification of Mycobacterium species.
6. 99 DOTS Strategy.
7. Thoracic Imaging findings in Non-TB Mycobacterium diseases.
8. Surgical management of Chronic TB empyema.
9. Neurological adverse drug reactions with Anti-Tuberculous drugs.
10. Diagnosis of Tuberculosis of the Fallopian Tubes.

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**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Describe in detail about **Bedaquiline conditional Access programme** undertaken by RNTCP. How will you plan an Optimal background regimen? Discuss about possible side effects of Bedaquiline.
2. Discuss in detail about various clinical presentations of Pulmonary Tuberculosis, it's complications, recent ways to diagnose Tuberculosis.

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

1. Air borne infection control measures for a MDR TB ward.
2. Various forms of ophthalmic Tuberculosis.
3. Role of INH prophylaxis in HIV positive Individuals.
4. Radiological findings in CNS Tuberculosis.
5. Recombinant BCG vaccine.
6. Role of surgery in Pleural diseases.
7. Tuberculosis of the Spines.
8. Role of 99 DOTS in HIV-TB treatment.
9. Role of Nutritional support along with treatment for Drug resistant TB.
10. Newer diagnostic tools for the faster diagnosis of Drug resistant TB.

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**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Describe in detail about CNS TB – types, diagnosis, management and complication.
2. TB defaulters - discuss in detail about the reasons behind and ways to correct it.

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

1. Fluorescent Microscopy.
2. Tuberculin skin test.
3. Mechanisms of TB drug resistance.
4. Fall and rise phenomena and its Clinical implications.
5. PPM (Private Public Mix).
6. Advantage of DOTS.
7. Role of Molecular epidemiology in TB control.
8. ATT induced Hepatitis.
9. Causes for false positive and false negative sputum smears.
10. Madras study.

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[LP 167]

**OCTOBER 2019**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Describe the epidemiology, diagnosis and management of drug resistant TB in India.
2. Describe in detail the clinical features of tuberculosis of abdomen.

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

1. Progressive primary Complex.
2. BCG Trial.
3. Epi Tuberculosis.
4. Eale's disease.
5. TB Kidney.
6. Anti-TB drugs and skin rash.
7. TB meningitis.
8. HIV – TB.
9. Rifamycins.
10. Cryptic Tuberculosis.

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[LQ 167]

**AUGUST 2020  
(MAY 2020 SESSION)**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Discuss in detail the current diagnostic algorithms for drug susceptible and drug resistant TB in NTEP (National TB elimination programme)
2. Discuss in detail about adverse drug reactions due to anti TB drugs. How the NTEP captures this information and documents?

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

1. Various cutaneous manifestations of Tuberculosis
2. UNIVERSAL DST & Tools useful for that
3. Discuss about True NAT
4. Genito urinary TB – Clinical Manifestations
5. Role of AI (Artificial Intelligence) in enhancing TB treatment adherence
6. Role of clofazimine in DRTB management
7. Vulnerability mapping in TB – discuss
8. Advantages of using NIKSHAY portal
9. Define culture conversion and culture reversion
10. Regimens to treat latent TB

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[MD 0721]

**JULY 2021  
(MAY 2021 SESSION)**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Describe the clinical features and management of genitourinary TB.
2. Describe the various method of drug susceptibility test for tuberculosis.

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

1. ATT-QTc prolongation.
2. C-Tb skin Test.
3. TB in pregnancy.
4. Cold abscess.
5. Lupus vulgaris.
6. MAC infection.
7. Staining procedure for acid fast bacilli.
8. ATT-FDC.
9. TB mastitis.
10. End TB strategy.

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**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[MD 1121]**

**NOVEMBER 2021  
(OCTOBER 2021 SESSION)**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Classification, Clinical features, Diagnosis and Management of NTM.
2. Classification, Pathogenesis, Clinical features, Diagnosis, Complications and Management of Tuberculous Meningitis.

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

1. Genetic predisposition of TB.
2. Lower Lung field Tuberculosis.
3. Why DOTS changed from intermittent to daily Regimen.
4. Role of Corticosteroid in Tuberculosis.
5. Pretreatment evaluation for Shorter MDR TB and All Oral Longer Regimen.
6. Rifabutin.
7. Complications of Pulmonary Tuberculosis.
8. Drug interactions in Combined Anti TB and Anti Retro Viral Therapy.
9. Tuberculous Pericarditis.
10. Swimming Pool Granuloma.

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**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[MD 0522]**

**MAY 2022**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Describe clinical features, Investigations and management of Osteo articular TB. Write briefly about surgical corrections for spinal TB.
2. What are the salient findings of National Drug Resistance survey 2018. Draw the diagnostic algorithm for the diagnosis and management of Drug Resistant TB.

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

1. Immunological diagnosis of M. TB
2. Treatment of TB in CKD.
3. Radiological findings for the diagnosis of abdominal TB.
4. IRIS.
5. TB vaccines – current status
6. Diagnostic criteria for NTM.
7. Management of TB pericardial effusion.
8. Cutaneous TB manifestations.
9. Operational Research in TB.
10. Role of Community Advisory Board.

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**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[MD 1022]**

**OCTOBER 2022**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION**

**BRANCH XVII – TUBERCULOSIS AND RESPIRATORY MEDICINE**

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the side effect of first line anti tuberculosis drugs and briefly write about the management of tuberculosis in special situations.
2. Describe in details about Deadly duo of TB and HIV”.

**II. Write notes on:**

**(10 x 7 = 70)**

1. UDST.
2. TB Psoas abscess.
3. Measures for facility level TB infection control.
4. Definition and classification of DR-TB patients.
5. Pericardial TB.
6. Role of corticosteroids in TB.
7. TB Meningitis.
8. Anti TB drugs in Liver dysfunctions.
9. Quantiferon TB-Gold.
10. ATT-FDC.

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**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[MD 0723]**

**JULY 2023  
(MAY 2023 EXAM SESSION)**

**Sub. Code: 2062**

**M.D. DEGREE EXAMINATION  
BRANCH XVII – RESPIRATORY MEDICINE  
PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

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

1. Describe in detail about Programmatic management of Drug Resistant TB.
2. Describe the rapid methods of laboratory diagnosis of Mycobacterium Tuberculosis.

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

1. TPT (TB Preventive Therapy).
2. Management of Tuberculosis in Pregnancy.
3. Rifabutin.
4. Wallgren timetable of Tuberculosis.
5. Congenital Tuberculosis.
6. Scotochromogen.
7. Persisters in Mycobacterium Tuberculosis.
8. FDC – Merits and Demerits.
9. New Vaccines against TB.
10. IRIS (Immune Reconstitution Inflammatory Syndrome).

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**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[MD 1223]**

**DECEMBER 2023  
(OCTOBER 2023 EXAM SESSION)**

**Sub. Code: 2062**

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

**PAPER II – TUBERCULOSIS  
(PULMONARY AND EXTRA-PULMONARY)**

***Q.P. Code: 202062***

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. What are the various ocular manifestations of Tuberculosis? Write briefly on Eale's disease.
2. Structure of Mycobacterium Tuberculosis and its clinical importance.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Tuberculin Skin Test.
2. Type IV hypersensitivity reaction.
3. Scrofuloderma.
4. Diagnosis of Non Tuberculous Mycobacteria.
5. CSF formation and drainage.
6. Poncet's Rheumatism.
7. Robert Koch.
8. Newer TB vaccines.
9. Counselling of TB patients.
10. Linezolid.

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