

## M.D. DEGREE EXAMINATION, MARCH 1990.

Branch XVII — Tuberculosis and Respiratory Diseases

## Part II

## TUBERCULOSIS

Time : Three hours.

Answer ALL the questions.

1. Discuss the findings of the "Chinglepet BCG Trial". What is the present day role of BCG in developing countries ?
  2. A thirty year old person is admitted with massive haemoptysis. How will you investigate and manage this person ?
  3. Write short notes on :
    - (a) Radiological features of ileocaecal tuberculosis.
    - (b) Newer antitubercular drugs.
    - (c) Serological diagnosis of tuberculosis.
    - (d) Bacterial persisters.
    - (e) Drawbacks in the DTP.
    - (f) Lupus Vulgaris.
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## M.D. DEGREE EXAMINATION, OCTOBER 1990.

## Branch XVII — Tuberculosis and Respiratory Diseases

## Part II

## Paper I — TUBERCULOSIS

Time : Three hours.

Answer ALL the questions:

1. Discuss failure in treatment of Tuberculosis. What steps you will take to prevent this ?
  2. Discuss the steps you will take to arrive at a diagnosis of a patient aged 60 years presenting with right sided pleural effusion.
  3. Write notes on :
    - (a) Erythema Nodosum.
    - (b) Toxic Epidermo necrolysis.
    - (c) Fall and Rise phenomenon.
    - (d) Relapse in Pulmonary Tuberculosis.
    - (e) Tuberculous lymphadenitis.
    - (f) Short course chemotherapy under DTP.
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## M.D. DEGREE EXAMINATION, MARCH 1991.

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper I — TUBERCULOSIS

Time : Three hours.

Answer ALL the questions.

1. Discuss the role played by the Tuberculosis Research Centre, Madras and the National Tuberculosis Institute, Bangalore, in the formulation of National Tuberculosis Control Programme. Enumerate the different short course regimens advocated under the National Tuberculosis Control Programme. What is the rationale behind these regimens ?
  2. Why and when Tuberculosis occurs in the course of HIV infection ? Enumerate the clinical features of tuberculosis in HIV positive patients. Identify with reasons two areas of research you will like to undertake in patients of tuberculosis with HIV infection.
  3. Write short notes on :
    - (a) Role of *Mycobacterium vaccae* in immunotherapy of tuberculosis.
    - (b) Monitoring of patients of T.B. endometritis under chemotherapy.
    - (c) Anergy and Tuberculosis.
    - (d) BCG vaccination in HIV infection.
    - (e) Enumerate newer anti-tuberculosis drugs.
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304

M.D. DEGREE EXAMINATION, SEPTEMBER 1991

Branch XVII — Tuberculosis and Respiratory Diseases

Part II

Paper I — TUBERCULOSIS

Time : Three hours.

Maximum : 100 marks.

Answer ALL the questions.

1. What are the determinants of tuberculosis chemotherapy compliance? How will you measure the effectiveness of standard and short course chemotherapies in terms of epidemiological trends? (25 marks)

2. Write down the pathogenesis of primary tuberculosis and its importance in the community. What is the role of chemoprophylaxis under National Tuberculosis Control Programme? Identify with reasons two areas of research in relation to chemoprophylaxis in HIV positive cases. (25 marks)

3. Write short notes on :

(a) Inter-relationship between Tuberculosis Research Centre, Madras and National Tuberculosis Institute, Bangalore.

(b) Bioavailability of anti-tuberculous drugs.

(c) Monitoring of patients of T.B. spine under chemotherapy.

(d) Control of Tuberculosis by the year 2000 A.D. Is it a reality?

(e) Present status of newer anti-tuberculous agents.

(5 × 10 = 50 marks)

M.D. DEGREE EXAMINATION SEPTEMBER, 1992

Branch XVII: Tuberculosis and Respiratory  
Diseases

PART II

Paper I - TUBERCULOSIS

Time: Three hours                      Maximum:100 marks

Answer ALL questions

1. Discuss the principles of modern chemotherapy of tuberculosis. What are the dosage and adverse effects of second line antituberculosis drugs. Mention the generalised reactions to antituberculosis drugs and their management. (25 marks)
  2. Describe in detail the development of immunity hyper sensitivity and disease due to tuberculosis infection. (25 marks)
  3. Write short notes on:
    - (a) Bronchial cold abscess
    - (b) Mycobacterium malmoense
    - (c) Mass chemoprophylaxis
    - (d) Colliquative tuberculosis
    - (e) Amikacin (5x10=50 marks)
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M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

(Old/New Regulations)

Part II

Paper I — TUBERCULOSIS

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. Enumerate the determinants of drug resistance in tuberculosis. Draw a flow chart indicating the epidemiological impact of drug resistance in the community. (25)
2. Write down the immunological basis of post-primary tuberculosis. Describe the HIV related cellular immune dysfunctions. (25)
3. Write short notes on :
  - (a) Tuberculin related factors leading to false negative tuberculin reaction.
  - (b) Assessment of tuberculous activity in a treated case.
  - (c) Rifapentine — the mechanism of action.
  - (d) Tuberculosis curriculum for Undergraduates.
  - (e) DNA probes for M. tuberculosis.

(5 × 10 = 50)

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## M.D. DEGREE EXAMINATION

Branch XVII — Tuberculosis and Respiratory Diseases

(Old/New Regulations)

## Part II

## Paper I — TUBERCULOSIS

Time : Three hours.

Maximum : 100 marks.

Answer ALL questions.

1. How will you diagnose a case of tuberculosis presenting as pyrexia of unknown origin? Draw a flow chart indicating the plan of action in suspected tuberculosis subjects. (25)
  2. Discuss the pathophysiologic basis for the development of tuberculosis in the AIDS setting. Identify with reasons the intervention strategies against tuberculosis/HIV infection. (25)
  3. Write short notes on :
    - (a) Trends in the pattern of tuberculous infection in India.
    - (b) AIDS vaccine — the progress.
    - (c) Role of District Tuberculosis Officer.
    - (d) Management of pulmonary tuberculosis in the aged with jaundice.
    - (e) Diagnostic criteria for female genital tract tuberculosis. (5 × 10 = 50)
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November-1994

[No 214]

**M.D. DEGREE EXAMINATION**

(Old/New Regulation)

**Branch XVII Tuberculosis and Respiratory Diseases**

**Part II**

**Paper I -- TUBERCULOSIS**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Discuss the features of tuberculosis occurring in a HIV positive individual. (25)
2. What are the indications for resectional lung surgery in pulmonary tuberculosis? How will you assess a patient preoperatively regarding fitness for resection? (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Cutaneous tuberculosis.
  - (b) Current status of BCG vaccination.
  - (c) Immunodiagnosis of tuberculosis.
  - (d) Chemoprophylaxis in tuberculosis.
  - (e) Thioacetazone toxicity.



[SB 214]

April-1995

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and  
Respiratory Diseases

(Old/New Regulations)

Part II

Paper I — TUBERCULOSIS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the complications of Primary Tuberculosis. Outline the role of BCG vaccination in the prevention of such complications. (25)
2. What are the indications for corticosteroids in the management of Tuberculosis? Discuss the diagnosis of Addison's disease. (25)
3. Write short notes on :
  - (a) Cervical Lymphadenopathy.
  - (b) Adenosine Deaminase estimation.
  - (c) Newer Drugs in Tuberculosis.
  - (d) Hemoptysis.
  - (e) Fall and Rise Phenomenon. (5 × 10 = 50)

November-1995

MB 214

M.D. DEGREE EXAMINATION

Branch XVII — Tuberculosis and Respiratory Diseases

(Old New Regulations)

Part II

Paper — TUBERCULOSIS

Time Three hours Maximum 100 marks

Answer ALL questions

1. Outline the various newer methods of Diagnosis of Tuberculosis. Discuss their usefulness in the Rapid Diagnosis of Multiple Drug Resistance. (25 marks)
2. What are the complications of pulmonary Tuberculosis. Describe the management of Tuberculous Empyema. (25 marks)
3. Write notes on :
  - (a) Mycobacterium Avium Intracellulare
  - (b) Mechanism of INH action.
  - (c) Tracking of Cold Abscess.
  - (d) Heaf's Multiple Puncture Test.
  - (e) Seed Lot System of BCG. (5×10=50 marks)

April-1997

MP 179

M.D. DEGREE EXAMINATION

Branch XVII - Tuberculosis And Respiratory  
Diseases

(Revised Regulations)

Part II

Paper I - TUBERCULOSIS (PULMONARY AND  
EXTRAPULMONARY)

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe the different culture methods for the diagnosis of tuberculosis. (25)
2. Discuss the management of multi drug resistance tuberculosis. (25)
3. Write briefly on:
  - (a) Psychosis due to anti-tuberculous drugs
  - (b) D.O.T.S.
  - (c) Scar malignancy
  - (d) Cervical lymphadenopathy
  - (e) Pott's spine.

(5x10=50)

MS 177

M.D. DEGREE EXAMINATION

Branch XVII - Tuberculosis and Respiratory  
Diseases

(Revised Regulations)

Part II

Paper I - TUBERCULOSIS (PULMONARY AND  
EXTRAPULMONARY)

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss H.I.V. and Tuberculosis. (25)
2. Discuss chemotherapy of tuberculosis. (25)
3. Write briefly on:
  - (a) Tubercular meningitis
  - (b) Global tuberculosis control
  - (c) Rapid diagnostic methods of T.B.
  - (d) Silico-tuberculosis
  - (e) Thoracoplasty.

(5x10=50)

M.D. DEGREE EXAMINATION

Branch XVII - Tuberculosis and Respiratory  
Diseases

(Revised Regulations)

Part II

Paper I - TUBERCULOSIS (PULMONARY AND  
EXTRAPULMONARY)

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss in detail the role of sero-  
diagnosis in Tuberculosis. (25)
2. How would you manage a case of multi-  
drug resistance (MDR) tuberculosis. (25)
3. Write briefly on:
  - (a) Miliary tuberculosis
  - (b) Pulmonary disease caused by  
opportunistic mycobacteria
  - (c) Renal tuberculosis
  - (d) Role of surgery in pulmonary  
tuberculosis
  - (e) Tuberculosis of lymph nodes.

(5x10=50)

October-1998

[SM 189]

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

(Revised Regulations)

Part II

Paper I — TUBERCULOSIS

(PULMONARY AND EXTRAPULMONARY)

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Describe pathogenesis, diagnosis and management of miliary tuberculosis. (25)
2. Discuss conventional and newer methods of laboratory diagnosis of tuberculosis. (25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Antituberculous drugs in renal failure.
  - (b) National tuberculosis control programme.
  - (c) Thoracoplasty.
  - (d) Complications of pulmonary tuberculosis.
  - (e) Tuberculin testing.

April-1999

[SG 188]

Sub. Code : 2061

M.D. DEGREE EXAMINATION.

Branch XVII — Tuberculosis and Respiratory Diseases

(Revised Regulations)

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 abdominal tuberculosis. (25)
2. Discuss pathology of genital tuberculosis in the male. (25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Chemoprophylaxis of Tuberculosis.
  - (b) Corticosteroids in the management of Tuberculosis.
  - (c) Drug-Resistant tubercle bacilli.
  - (d) Tuberculous meningitis.
  - (e) Role of voluntary bodies in tuberculous control programme.

October-1999

[KA 188]

Sub. Code : 2061

M.D. DEGREE EXAMINATION

(Revised Regulations)

Branch XVII - Tuberculosis and Respiratory Diseases

Part II

Paper I — TUBERCULOSIS (PULMONARY AND  
ENTRAPULMONARY)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe pathogenesis and management of primary pulmonary tuberculosis. (25)
2. Discuss the epidemiology of pulmonary tuberculosis. (25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Newer anti tuberculosis drugs
  - (b) Open negative syndrome
  - (c) DOT
  - (d) Thoracoplasty
  - (e) Treatment of Genito-urinary tuberculosis.



April-2000

[KB 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. Write about rapid methods (including DNA amplification) for diagnosis of Tuberculosis. (25)
  2. Write about the treatment schedules for pulmonary tuberculosis under special situation pregnancy and lactation, renal failure, elderly, post-operative period and MDR Tuberculosis. (5 + 5 + 5 + 5 + 5 = 25)
  3. Write briefly on : (5 × 10 = 50)
    - (a) DOTS
    - (b) BCG vaccination
    - (c) Tuberculosis of pleura
    - (d) Mycobacterium avium intracellular
    - (e) Congenital tuberculosis.
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October-2000

[KC 188]

Sub. Code : 2096

**M.D. DEGREE EXAMINATION.**

(Revised Regulations)

Branch XVII — Tuberculosis and Respiratory Diseases

Paper I — TUBERCULOSIS

(PULMONARY AND EXTRA PULMONARY)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Write in detail pathogenesis and treatment of tuberculous meningitis. (25)
2. Discuss pathology of Pot's spine. (25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Pyrizinamide
  - (b) HIV and MDR T.B.
  - (c) P.C.R.
  - (d) Constrictive pericarditis due to T.B.
  - (e) Bactac method of Rapid detection of M.T.B.