

[LN 1018]

OCTOBER 2018

Sub. Code: 1903

**M.Sc. IN PUBLIC HEALTH EXAMS
FIRST YEAR
PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE**

Q.P. Code : 281903

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Illustrate and explain the disaster cycle.
b) Write a note on health impact of floods.
c) Explain the strategies in disaster preparedness with respect to health.
d) Write a note on National Disaster Management Authority.
2. a) Describe the epidemiology of diabetes mellitus.
b) Prevention and control of diabetic complications.
c) Write a note on Joint TB-Diabetes initiative under RNTCP.

II. Write notes on:

(10 x 6 = 60)

1. Classify malaria and explain on integrated vector management.
2. Write a note on Accredited Social Health Activist (ASHA).
3. Write about Universal Immunization Program (UIP).
4. Write a note on secondary attack rate and Herd immunity.
5. Epidemiology of Dengue and its complications and prevention.
6. Describe about disaster mitigation.
7. Explain about the program on adolescent health.
8. Describe epidemiology of viral hepatitis.
9. Write about National Blindness control program and disease control steps under the program.
10. Epidemiology of Rabies and its prevention.

[LP 1019]

OCTOBER 2019

Sub. Code: 1903

**M.Sc. IN PUBLIC HEALTH EXAMS
FIRST YEAR
PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE**

Q.P. Code : 281903

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Explain the various aspects of disaster response, preparedness and mitigation with respect to floods.
b) Add a note on Man made disasters.

2. a) Discuss the epidemiological determinants of Sexually transmitted diseases.
b) Explain the modes of transmission of HIV-AIDS.
c) Outline the components and strategies under National AIDS Control Program.

II. Write notes on:

(10 x 6 = 60)

1. Natural history of a disease.
2. Classification of modes of Transmission of communicable diseases.
3. National Disaster Management Authority.
4. Strategies under National Program for Control of blindness.
5. National Family welfare Program.
6. Functions of UNICEF.
7. Plan of action and initiatives under National Rural Health Mission (NRHM).
8. Epidemiology of Rabies.
9. Control strategies for Japanese Encephalitis.
10. Schemes and programmes for adolescent health.

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

[AHS 0321]

MARCH 2021

Sub. Code: 1903

(OCTOBER 2020 EXAM SESSION)

M.Sc. PUBLIC HEALTH

FIRST YEAR (From 2017-2018 onwards)

**PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE
(INFECTIOUS, NCD, INJURY) AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES)**

Q.P. Code : 281903

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. a) Enumerate the top 10 diseases commonly affecting the people living in India.
b) Explain the term epidemiological transition.
c) Discuss the preventive measures to reduce the burden of coronary heart disease in our population.
2. How will you assess the effect of filariasis control programme? Discuss the current strategy of filarial control.

II. Write Short Notes on:

(10x6 = 60)

1. Child abuse.
2. Community health.
3. Disaster cycle.
4. Role of Cultural factors in health and disease.
5. Ventilation and Health.
6. Comment on Sanitation Barrier.
7. Water borne diseases.
8. India new born action plan.
9. Hospital acquired infection.
10. Drug resistant tuberculosis.

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[AHS 0921]

**SEPTEMBER 2021
(MAY 2021 EXAM SESSION)**

Sub. Code: 1903

**M.Sc. PUBLIC HEALTH
FIRST YEAR (From 2017-2018 onwards)
PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE
(INFECTIOUS, NCD, INJURY) AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES)
*Q.P. Code : 281903***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on: (2 x 20 = 40)

1. Discuss the epidemiological factors contributing to periodic outbreaks of dengue in urban slums. How will you plan a health education campaign for people living in urban slums regarding prevention of dengue?
2. Enumerate the factors associated with a high burden of anaemia among all age groups. What are the newer initiatives undertaken to reduce the burden of anaemia.

II. Write Short Notes on: (10x6 = 60)

1. Disaster mitigation.
2. Role of NGOs in community health.
3. Sanitation measures to be adopted food handlers.
4. Diseases transmitted through milk and ways of preventing them.
5. Minimum standards for slaughter houses.
6. Emerging and re-emerging infectious diseases.
7. Cancer registry.
8. Integrated management of neonatal and childhood illness.
9. International health regulation.
10. End TB strategy.

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

[AHS 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 1903

**M.Sc. PUBLIC HEALTH
FIRST YEAR (Candidates admitted from 2017-2018 onwards)
PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE
(INFECTIOUS, NCD, INJURY) AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES)**

Q.P. Code : 281903

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Epidemiology and control of COVID-19 disease.
2. Explain the various aspects of disaster response, preparedness and mitigation with respect to an evolving pandemic.

II. Write Short Notes on:

(10x6 = 60)

1. Classification of modes of Transmission of communicable diseases.
2. Strategies under National Program for Control of blindness.
3. RCH & National Family welfare Program.
4. Plan of action and initiatives under National Health Mission (NHM).
5. Control of Rabies.
6. Control strategies for Japanese Encephalitis.
7. 'Targeted Interventions' in HIV control.
8. Activities for cervical cancer management under NPCDCS.
9. Tamil Nadu Accident and Emergency Care Initiative. Discuss its role in disability limitation across the state.
10. Control of zoonotic disease transmission.

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 1903

**M.Sc. PUBLIC HEALTH
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PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE
(INFECTIOUS, NCD, INJURY) AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES)**

Q.P. Code : 281903

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Describe in detail about the surveillance strategies of poliomyelitis in India. Explain polio eradication and endgame strategic plan.
2. Write in detail about National Immunization Schedule. Discuss about adolescent vaccines. How will you evaluate immunization coverage in a district?

II. Write Short Notes on:

(10x6 = 60)

1. Notifiable diseases.
2. Post Exposure Prophylaxis of Rabies.
3. Preconception and Prenatal Diagnostic Techniques act.
4. Treatment of Malaria.
5. Health problems of elderly.
6. Assessment of obesity.
7. Newer initiatives in trauma care in Tamil Nadu.
8. Juvenile delinquency.
9. Salient features of National Health Policy, 2017.
10. Mechanical transmission of diseases.

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

[AHS 0523]

MAY 2023

Sub. Code: 1903

**M.Sc. PUBLIC HEALTH
FIRST YEAR (Candidates admitted from 2017-2018 onwards)
PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE
(INFECTIOUS, NCD, INJURY) AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES**

Q.P. Code: 281903

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the neglected tropical diseases in India. Discuss in detail about burden of Leprosy and national Leprosy Eradication Programme strategies in India.
2. Define endemic, epidemic, pandemic with examples. Describe in detail the various steps involved in investigating Dengue outbreak in an urban slum.

II. Write Short Notes on:

(10x6 = 60)

1. Epidemiological determinants of Hepatitis B and its prevention.
2. Nutritional support scheme for Tuberculosis patients.
3. Unmet needs of family planning.
4. Components of self-care in diabetes mellitus.
5. Man-made disasters.
6. Current strategies of Filariasis control.
7. Post Exposure Prophylaxis for HIV.
8. Screening for breast cancer.
9. Adverse Events Following Immunization.
10. Globalization and health.

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

[AHS 1023]

OCTOBER 2023

Sub. Code: 1903

**M.Sc. PUBLIC HEALTH
FIRST YEAR (From 2017-2018 onwards)
PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE
(INFECTIOUS, NCD, INJURY AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES)**

Q.P. Code: 281903

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Explain epidemiology of Malaria. Explain the strategic approaches under National Framework for Malaria Elimination in India 2016-2030. Brief about Integrated Vector Management.
2. Explain why India is the epicentre of diabetes mellitus? Describe in detail about National and State level programs for the control and prevention of diabetes.

II. Write Short Notes on:

(10x6 = 60)

1. Medical Termination of Pregnancy act.
2. Adolescent Reproductive and Sexual Health programme.
3. Cancer registry.
4. International Health Regulations.
5. Neglected Tropical Diseases in India.
6. Emerging and re-emerging diseases.
7. Management of diarrhoea.
8. Road traffic accidents.
9. Role of herd immunity in communicable diseases.
10. Disaster preparedness.

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

[AHS 0524]

MAY 2024

Sub. Code: 1903

**M.Sc. PUBLIC HEALTH
FIRST YEAR (From 2017-2018 onwards)
PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE
(INFECTIOUS, NCD, INJURY) AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES**

Q.P. Code: 281903

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Enumerate Public Health surveillance for COVID-19.
2. Enumerate the Action Plan for prevention and control of NCD in the community.

II. Write Short Notes on:

(10x6 = 60)

1. Parameters of Malaria Surveillance.
2. Guidelines on disinfection of common public places including offices in India.
3. Domestic accidents and prevention.
4. Primordial prevention.
5. Swimming pool sanitation.
6. Food safety and standards.
7. Prophylaxes against nutritional anaemia.
8. Rights of persons with disabilities.
9. National strategic plans for HIV/AIDS.
10. Lifestyle factors and risk of diabetes.

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

[AHS 1024]

OCTOBER 2024

Sub. Code: 1903

**M.Sc. PUBLIC HEALTH
FIRST YEAR (From 2017-2018 onwards)
PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE
(INFECTIOUS, NCD, INJURY AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES)**

Q.P. Code: 281903

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Enumerate the National programmes on Trauma Care and Disaster Management.
2. National Urban Health Mission. Target and achievements.

II. Write Short Notes on:

(10x6 = 60)

1. Cancer surveillance.
2. Disability prevention and medical rehabilitation.
3. Types of disinfection.
4. Global strategy for Dengue prevention and control.
5. Integrated Action Plan for Prevention and Control of Pneumonia and Diarrhoea (IAPPD).
6. Telemedicine in Public Health.
7. Complications of Diabetes Mellitus and prevention strategies.
8. Rural health and minimum needs programme.
9. Prevention of parent-to-child transmission of HIV.
10. Food-borne infections.

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

[AHS 0525]

MAY 2025

Sub. Code: 1903

**M.Sc. PUBLIC HEALTH
FIRST YEAR (From 2017-2018 onwards)
PAPER III – DISEASE OF PUBLIC HEALTH IMPORTANCE
(INFECTIOUS, NCD, INJURY AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES)**

Q.P. Code: 281903

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. In a village, there are report of unexplained fever affecting many people with unusual myalgia, arthralgia. As a Public Health expert, describe the steps to investigate this outbreak infection and submit a report to higher authorities. Add a note on preventive measures.
2. Define Disaster. Classify the disasters and describe the disaster cycle. Write in detail about Disaster Preparedness for cyclone in your area.

II. Write Short Notes on:

(10x6 = 60)

1. Risk factors of Infective Endocarditis.
2. Warning signs of Poor mental health.
3. Explain Propagated Epidemic with example and its prevention.
4. Vaccines for International Travelers.
5. Underlying factors for Infant mortality.
6. Prevention of Ischemic Heart disease.
7. Mode of transmission of respiratory diseases in Children.
8. Elimination of Tetanus.
9. Prevention of Parent to child transmission in HIV.
10. Dietary prevention of Hypertension.

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

[AHS 1025]

OCTOBER 2025

Sub. Code: 1903

**M.Sc. PUBLIC HEALTH
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(INFECTIOUS, NCD, INJURY AND THEIR MANAGEMENT/ CONTROL/
ELIMINATION & ERADICATION STRATEGIES)**

Q.P. Code: 281903

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Describe the epidemiology, clinical features, investigations and Management of Dengue Fever. Add a note on Integrated Vector borne control.
2. Write a note on Natural history of Hypertension. Describe the risk factors, complications of Hypertension. Write a note on National Program for prevention and management of Hypertension in Primary care level.

II. Write Short Notes on:

(10x6 = 60)

1. Assessment of Obesity.
2. Vaccine preventable Cancers.
3. Isolation and quarantine.
4. Explain Epidemic, Endemic and Pandemic with examples.
5. Health problems of the Adolescents.
6. Prevention of SARS.
7. Primary prevention of Diarrheal diseases in Children.
8. Explain Disease control, Elimination and Eradication with examples.
9. Clinical features of Vitamin A deficiency in Children.
10. List the causes of Re-emerging of diseases.
