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

[MD 0524] **MAY 2024** **Sub. Code: 4038**

M.D. DEGREE EXAMINATION

BRANCH XV – COMMUNITY MEDICINE

PAPER II – NUTRITION, ENVIRONMENTAL HEALTH, PRIMARY HEALTH CARE SYSTEM, PANCHAYAT RAJ SYSTEM, NATIONAL HEALTH PROGRAMS, RCH, DEMOGRAPHY AND FAMILY WELFARE, HEALTH CARE ADMINISTRATION, HEALTH CARE ADMINISTRATION, HEALTH MANAGEMENT AND PUBLIC HEALTH LEADERSHIP

Q.P. Code: 204038

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Discuss the activities under National Health Mission and write the indicators to evaluate each activity.

2. Enumerate the Health Problems of Urban Slum Dwellers. Suggest measures to improve their Health statues in India.

II. Short notes: **(10 x 5 = 50)**

1. Panchayati Raj Institutions in Rural Development.
2. Milk hygiene.
3. What are Growth charts? Mention various types and uses of Growth chart.
4. Health Hazards of Nuclear War and its Consequences.
5. Nutritional Rehabilitation Centres.
6. Discuss the Operational Research and its role in health service.
7. Causes and prevention of Juvenile Delinquency.
8. Discuss the role of Intersectoral Coordination in delivering primary Health Care.
9. Risk approach in infant care.
10. Discuss Couple Protection Rate and its relation to Population stabilization.

III. Reasoning Out: **(4 x 5 = 20)**

1. Discuss the Rationale of Switching from Trivalent to Bivalent ORAL Polio Vaccine.
2. Explain the Social Science in Health Programme.
3. Discuss the Need of Vaccination during Disaster.
4. Is there differences in nutritional status among urban and rural school children – if Yes/No – Justify.

****

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

[MD 1224] DECEMBER 2024 Sub. Code: 4038

(OCTOBER 2024 EXAM SESSION)

M.D. DEGREE EXAMINATION

COMMUNITY MEDICINE

PAPER II – NUTRITION, ENVIRONMENTAL HEALTH, PRIMARY HEALTH CARE SYSTEM, PANCHAYAT RAJ SYSTEM, NATIONAL HEALTH PROGRAMS, RCH, DEMOGRAPHY AND FAMILY WELFARE, HEALTH CARE ADMINISTRATION, HEALTH MANAGEMENT AND PUBLIC HEALTH LEADERSHIP

Q.P. Code: 204038

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Describe the health impacts due to climate change. Discuss in detail about the Objectives and key activities of National Programme on Climate Change and Human Health?

2. A local community health worker has observed a rise in foodborne illness in their area and suspects that poor food safety practices at local eateries may be contributing to this trend. As a Designated officer of food safety, what steps you will recommend to ensure compliance with FSSAI regulations and improve food safety in their establishment?

II. Short notes: **(10 x 5 = 50)**

1. Explain in brief about Mathematical models of modern management techniques.
2. Describe Economic order quantity.
3. Discuss the WHO guidelines for drinking water quality with special reference to SDG goals.
4. Plan a screening programme for diabetes mellitus in a village with a population of 5000.
5. As a medical officer of PHC, how do you ensure public participation in Mission Indradhanush.
6. What are the activities and responsibilities of Village Health and Sanitation Committee?
7. What is Community Needs Assessment Approach (CNAA)? Explain in detail about CNAA at sub centre level in Reproductive and Child Health Programme.
8. Discuss the healthcare administration at district level and below. Highlight the role of inter sectoral coordination for effective healthcare administration.
9. Discuss the strengths and weakness of ICDS scheme and suggest briefly the innovative measures to improve its function.
10. Define potable water. Mention the characteristics of potable water. How government is trying to provide potable water to the rural and tribal people in India?

III. Reasoning Out: **(4 x 5 = 20)**

1. Vasectomy as a permanent method is less than 1% in India. Why?
2. Demographic bonus versus demographic burden.
3. Critically review District Mental health programme.
4. ORS is considered one of the best scientific advances by Lancet - Why?

****

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

[MD 0525] **MAY 2025** **Sub. Code: 4037**

M.D. DEGREE EXAMINATION

COMMUNITY MEDICINE

PAPER II – NUTRITION, ENVIRONMENTAL HEALTH, PRIMARY HEALTH CARE SYSTEM, PANCHAYAT RAJ SYSTEM, NATIONAL HEALTH PROGRAMS, RCH, DEMOGRAPHY AND FAMILY WELFARE, HEALTH CARE ADMINISTRATION, HEALTH MANAGEMENT AND PUBLIC HEALTH LEADERSHIP

Q.P. Code: 204038

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Describe in detail National Health Policy 2017.
2. Define Severe Acute Malnutrition. Describe in brief the intervention under RMNCH A+ program for management of SAM.

II. Short notes: **(10 x 5 = 50)**

1. Anaemia Mukth Bharath.
2. Air Quality Index.
3. Maternal Death Review.
4. Network analysis.
5. National Family Planning Indemnity Scheme.
6. Health Technology Assessment.
7. Measures to overcome Low sex ration.
8. Indoor Air Pollution – causes, prevention and control.
9. Social schemes for Geriatric population.
10. Medical Audit.

III. Reasoning Out: **(4 x 5 = 20)**

1. Housing affects health - Explain.
2. Child guidance clinic helps children who are not fully adapt to environment.
3. Grassroot level workers minimize burden in secondary and tertiary care centres.
4. Voluntary health agency supplement work of government agency in providing health services.

****

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

[MD 1025] **OCTOBER 2025** **Sub. Code: 4038**

M.D. DEGREE EXAMINATION

COMMUNITY MEDICINE

PAPER II – NUTRITION, ENVIRONMENTAL HEALTH, PRIMARY HEALTH CARE SYSTEM, PANCHAYAT RAJ SYSTEM, NATIONAL HEALTH PROGRAMS, RCH, DEMOGRAPHY AND FAMILY WELFARE, HEALTH CARE ADMINISTRATION, HEALTH MANAGEMENT AND PUBLIC HEALTH LEADERSHIP

Q.P. Code: 204038

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Enumerate Sustainable Development Goal. Discuss in detail the health-related SDG Goal.

2. Define Evaluation. Describe the purpose, types, components, steps in evaluation of Health service with examples.

II. Short notes: **(10 x 5 = 50)**

1. PC-PNDT act.
2. Role of International Health Regulations in Disease Surveillance.
3. Public Private Partnership.
4. Child Trafficking.
5. Schemes for financial assistance to pregnant woman.
6. Role of Niti Aayog in Health planning.
7. Epidemic dropsy.
8. Rights of Persons with Disability Bill, 2016.
9. E Waste Management.
10. Genetically modified foods.

III. Reasoning Out: **(4 x 5 = 20)**

1. Compare and contrast zero based and incremental budgeting.
2. Management by Objective vs Management by Exception.
3. Role of Intersectoral convergence in Poshan Abhiyaan.
4. Measures to prevent communicable disease in school environment.

****

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

[MD 0526] **MAY 2026** **Sub. Code: 4038**

M.D. DEGREE EXAMINATION

COMMUNITY MEDICINE

PAPER II – NUTRITION, ENVIRONMENTAL HEALTH, PRIMARY HEALTH CARE SYSTEM, PANCHAYAT RAJ SYSTEM, NATIONAL HEALTH PROGRAMS, RCH, DEMOGRAPHY AND FAMILY WELFARE, HEALTH CARE ADMINISTRATION, HEALTH MANAGEMENT AND PUBLIC HEALTH LEADERSHIP

Q.P. Code: 204038

Time : Three Hours **Maximum : 100 Marks**

I. Essay: **(2 x 15 = 30)**

1. Discuss the causes of Perinatal Mortality in India. List the activities under National Health Mission to Reduce Perinatal Mortality.

2. a) Describe various organizational concepts with relevance to health organization quoting suitable examples. (10)
   b) Discuss various challenges faced in health management? (5)

II. Short notes: **(10 x 5 = 50)**

1. Explain Hardy- Weinberg law. Discuss the primary prevention measures of genetic disorders.
2. Recent developments in programmatic management of tuberculosis in India.
3. Discuss various Government schemes for girl child in India.
4. Community based rehabilitation- Principles and strategies for its implementation in the context of rehabilitating a leprosy patient with disability.
5. WHO steps for evaluation of health programs.
6. Discuss the various qualities of a good public health leader.
7. What do you mean by therapeutic nutrition? Plan a diet for a diabetic adult woman.
8. Global warming - discuss in detail about the causes and the responsibility of government and individuals in mitigation of global warming
9. As a medical officer of PHC, describe how you will conduct verbal autopsy for maternal death.
10. Define population Explosion. What are the principles involved in achieving population stabilization along with NRR 1 and TFR 2.1?

III. Reasoning Out: **(4 x 5 = 20)**

1. 'Maternal near miss' as an indicator of maternal health.
2. Commercialization of Health care services.
3. Female deficit syndrome.
4. Small bite big threat – Discuss.

****