

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

[MBBS 0223]

FEBRUARY 2023

Sub. Code :6074

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020 Batch onwards)

THIRD YEAR – (CBME)

PART - I

PAPER IV – COMMUNITY MEDICINE – II

Q.P. Code: 526074

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay: (2 x 15 = 30)

1. Discuss in detail the problem of nutritional anemia, its causes, detrimental effects and intervention?
2. What is health planning? Describe in detail the steps involved in health planning cycle?

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

1. Fertility indicators.
2. Explain Risk approach in maternal healthcare.
3. Neonatal screening.
4. Evaluate Mid day meal programme
5. Role of medical social worker.
6. Approach to health education.
7. Compare Cost effective and cost benefit analysis.
8. Niti Ayog.
9. International Red Cross.
10. Health hazards of healthcare waste.

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

[MBBS 0623]

JUNE 2023

Sub. Code :6074

M.B.B.S. DEGREE EXAMINATION
(For the candidates admitted from the Academic Year 2019-2020)

THIRD PROFESSIONAL PART – I (CBME)
PAPER IV – COMMUNITY MEDICINE - II
Q.P. Code: 526074

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

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

1. What is a Disaster? What are the types of Disaster? Describe the fundamental aspects of Disaster Management.
2. Define a Low Birth Weight Baby. Discuss the problem statement, causes and intervention measures for Low Birth Weight Babies.

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

1. Biomedical Waste categories and their treatment.
2. Medical termination of Pregnancy Act.
3. List various Adolescent Health schemes in India and justify the need.
4. Xerophthalmia.
5. Social security measures in India.
6. Methods of Health communication.
7. Indian Public Health standards for Primary Health Centers.
8. Health work of bilateral agencies.
9. Role of Zinc in Health and Disease.
10. Application of Demographic gap.

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

[MBBS 0224]

FEBRUARY 2024

Sub. Code :6074

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020)

THIRD PROFESSIONAL PART – I (CBME)

PAPER II – COMMUNITY MEDICINE

Q.P. Code: 526074

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. Village A has an IMR of 16/1000 live births whereas village B has an IMR of 50/1000 live births.
 - A) Define Infant Mortality Rate.
 - b) Compare the IMR of both villages with national average.
 - c) Discuss the factors influencing Infant Mortality.
 - d) Suggest various preventive and social measures to bring down the IMR.
2. What are the objectives of school health services? Describe the minimum standards in India for Healthful School environment and explain the school health Programme under Ayushman Bharat.

II. Write Short notes on:

(10 x 5 = 50)

1. Scrub Typhus clinical presentation and management.
2. Objectives and targets of National Family Welfare Program.
3. Web of Causation for accidents.
4. Management of multi drug resistant tuberculosis.
5. Concept of essential medicine.
6. Indian Red Cross.
7. Draw the planning cycle.
8. Explain network analysis with suitable diagram.
9. Define Net Reproduction rate and Couple protection rate. Explain the relationship between the two.
10. Role of doctors as key players in Health Care System.

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

[MBBS 0524]

MAY 2024

Sub. Code :6074

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020)

THIRD PROFESSIONAL PART – I – SUPPLEMENTARY (CBME)

PAPER II – COMMUNITY MEDICINE

Q.P. Code: 526074

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay: (2 x 15 = 30)

(2+3+5+5)

1. A 31 year old male on routine screening was found to have fasting blood glucose of 120 mg/dL and postprandial blood glucose of 166 mg/dL and his blood pressure was 132/86 mmHg.

- a) What is your diagnosis?
- b) Enumerate the risk factors for this condition.
- c) Name the programme relevant for the above condition and discuss the activities of the programme at various levels of health care.
- d) Discuss the advice to be given to the patient to prevent the progress of the disease.

(3+12)

2. Enlist the Nutritional problems in Public Health. Discuss in detail the Various Community Nutrition Programmes in India.

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

1. Elements and Principles of Primary Health Care.
2. UNICEF.
3. Cost benefits analysis.
4. Principles of Health education.
5. Describe the Deformities occurring in leprosy.
6. Secondary prevention of Genetic disorders.
7. Influenza vaccines.
8. Oral contraceptive pills.
9. Baby friendly hospital Initiative.
10. Kalamazoo consensus statement.

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

[MBBS 0125]

JANUARY 2025

Sub. Code :6074

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019 – 2020)

THIRD PROFESSIONAL PART – I MBBS (CBME)

PAPER II – COMMUNITY MEDICINE

Q.P. Code: 526074

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

(10+5)

1. A 52-year-old man presents with a 3-week history of cough with expectoration, along with breathlessness, lethargy, and weight loss.
 - a) Discuss the epidemiology, management, prevention, and control of this infectious disease.
 - b) Add a note on the relevant National Program addressing this condition.
2. Define disaster. List the various types of disasters. Discuss the sequential steps involved in effectively managing disasters.

II. Write Short notes on:

(10 x 5 = 50)

1. What is the Poshan Abhiyan initiative and how does it aim to address nutrition challenges in India?
2. How does the concept of the web of causation help in understanding the multiple factors leading to Coronary Artery Disease (CAD)?
3. What are the various methods used to evaluate the effectiveness and safety of contraceptive methods?
4. Discuss components of the Adolescent Reproductive and Sexual Health (ARSH) program.
5. What are the components of post-exposure prophylaxis (PEP) for HIV, and how is it typically administered and managed?
6. What are the key functions and roles of the World Health Organization (WHO)?
7. Elaborate on the importance and methods of cancer screening.
8. Write a concise overview of the Indian Public Health Standards (IPHS) specifically for Community Health Centers.
9. What are the key steps involved in the planning cycle for public health programs, from initiation to evaluation?
10. Explain the importance of Patient Education in preventing diseases.

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

[MBBS 0325]

MARCH 2025

Sub. Code :6074

M.B.B.S. DEGREE EXAMINATION

(For the candidates admitted from the Academic Year 2019-2020, 2020-2021 & 2021-2022)

THIRD PROFESSIONAL PART – I – SUPPLEMENTARY - CBME

PAPER II – COMMUNITY MEDICINE

Q.P. Code: 526074

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

(3+6+6)

1. In a PHC, Maternal Mortality Ratio (MMR) was found to be higher than the Tamil Nadu state average. As a PHC medical Officer, you were given a task to reduce the MMR.
 - a) Define Maternal Mortality Rate and Maternal Mortality Ratio.
 - b) Discuss the various possible determinants of maternal Mortality and
 - c) Plan for the measures to reduce the MMR in your PHC area.
2. During family survey in a rural area of population of 100000, it was found that 25% were in the age group of 0-14years, 15% in the age group of above 65 years and 60% were in the age group 15-64years.
 - a) Calculate the total dependency ratio, young age dependency ratio and old age dependency ratio.
 - b) Discuss the various health problems of the elderly.
 - c) What are the life style modifications you will suggest for healthy ageing?

(5+5+5)

II. Write Short notes on:

(10 x 5 = 50)

1. Discuss about the prevention and control measures of Covid - 19.
2. Define fiduciary duty. Give examples of boundary crossing and violation in doctor patient relationship.
3. Define Juvenile delinquency. Explain its causes and prevention.
4. Rashtriya Bal Swasthya Karyakram.
5. Post exposure prophylaxis in Human rabies.
6. Discuss Eugenics and Euthenics.
7. Explain the elements of evaluation of health services.
8. As a PHC medical officer, you are going to the field for giving awareness on breastfeeding to postnatal mothers.
 - a) Illustrate the communication process for the above scenario.
 - b) What are the barriers of communication?
9. Define Demography. Describe the demographic cycle.
10. Discuss the newer initiatives in delivery of Family Planning services.

M.B.B.S. DEGREE EXAMINATION

**{{(For the candidates admitted in the Academic Year 2019-2020 & 2020-2021)
(For the candidates admitted from the Academic Year 2021-2022 & 2022-2023)}}**

THIRD PROFESSIONAL PART I - MBBS (CBME)

PAPER II – COMMUNITY MEDICINE

Q.P. Code: 526074

Time: Three hours

Maximum : 100 Marks (80 Theory + 20 MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. Village A has an IMR of 16/1000 live births whereas village B has an IMR of 50/1000 live births.
 - a) Define Infant Mortality Rate. (2)
 - b) Compare the IMR of both villages with national average. (2)
 - c) Discuss the factors influencing Infant Mortality. (6)
 - d) Suggest various preventive and social measures to bring down the IMR. (5)
2. What are the objectives of school health services? Describe the minimum standards in India for Healthful School environment and explain the school health Programme under Ayushman Bharat. (2+5+8)

II. Write Short notes on:

(10 x 5 = 50)

1. A 2 year old child was brought to PHC by the mother with complaints of diarrhoea. How do you assess, classify and treat diarrhoea as per IMNCI guidelines?
2. Objectives and targets of National Family Welfare Program.
3. Discuss various levels of prevention along with intervention with appropriate examples for hypertension.
4. Role of IEC (Information, Education, Communication) Materials in Health Education.
5. Global hunger index.
6. Risk factors for road traffic accidents.
7. Epidemiological determinants and control measures of Scrub Typus.
8. Explain network analysis with suitable diagram.
9. Define Net Reproduction rate and Couple protection rate. Explain the relationship between the two.
10. Discuss the physician's role and responsibility to society.

M.B.B.S. DEGREE EXAMINATION

**{{(For the candidates admitted in the Academic Year 2019-2020 & 2020-2021)
(For the candidates admitted from the Academic Year 2021-2022 & 2022-2023)}}**

THIRD PROFESSIONAL PART I – SUPPLEMENTARY EXAMINATIONS

PAPER II – COMMUNITY MEDICINE

Q.P. Code: 526074

Time: Three hours

Maximum : 100 Marks (80 Theory + 20 MCQs)

Answer all the Questions

I. Essay: **(2 x 15 = 30)**
(2+3+3+7)

1. Elaborate on the epidemiology, causes, preventive measures, and management strategies for cancer, including insights into relevant National Programs.
(2+3+5+5)
2. A 4-year-old child presents at the Primary Health Centre with a 2-day history of diarrhoea. The child exhibits lethargy and sunken eyeballs.
 - a) What is the likely diagnosis based on these symptoms?
 - b) How would you classify this illness according to the Integrated Management of Neonatal and Childhood Illnesses (IMNCI) Guidelines?
 - c) What would be your recommended approach to managing this case?
 - d) Are there any national programs available that could potentially benefit this case?

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

1. What are the prevalent health challenges faced by the elderly population?
2. What are the specific interventions targeted at high-risk groups to prevent and control HIV transmission?
3. Elaborate the components related to child health within the RMNCH+A framework.
4. What are the health-related initiatives undertaken by bilateral agencies?
5. What are the contributing factors to the unmet demand for family planning, and how is it being addressed?
6. Enumerate the COVID vaccines available in India.
7. Write a brief overview of the system of Panchayat Raj (local self-government) in India.
8. What recent advancements have been made in the field of molecular genetics?
9. What roles and responsibilities are designated to Accredited Social Health Activists (ASHAs)?
10. Explain the importance of confidentiality in managing patients.

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

[MBBS 0826]

AUGUST 2026

Sub. Code :6074

M.B.B.S. DEGREE EXAMINATION

**{(For the candidates admitted in the Academic Year 2019-2020 & 2020-2021)
(For the candidates admitted from the Academic Year 2021-2022 to 2023-2024)}**

THIRD PROFESSIONAL PART I – CBME

PAPER II – COMMUNITY MEDICINE

Q.P. Code: 526074

Time: Three hours

Maximum : 100 Marks (80 Theory + 20 MCQs)

Answer all the Questions

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

- (5+5+5)
1. What is Rheumatic Heart Disease? How to manage and Prevent RHD?

(5+5+5)

 2. A three-year-old, malnourished child, elaborate on assessment levels, management and prevention strategies of Malnutrition.

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

1. Elaborate on “CARE”.
2. Services of Primary Health Centers.
3. Principles of Health Education.
4. Indication & Methods of prenatal diagnosis.
5. Medical Benefits of ESI Act 1948.
6. Health planning cycle.
7. What does the AETCOM module aim to teach Medical students?
8. Types of learning in psychology?
9. Age appropriate health promotion for school children.
10. Side effects of Intra Uterine Devices in family planning services.
