

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

[MBBS 0223]

FEBRUARY 2023

Sub. Code :6073

M.B.B.S. DEGREE EXAMINATION

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

THIRD YEAR – (CBME)

PART - I

PAPER III – COMMUNITY MEDICINE - I

Q.P. Code: 526073

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. Define Epidemiology. Classify the various Epidemiological studies. Explain in detail the steps in conducting a randomized controlled trial.
2. Enumerate the various occupational hazards. Discuss in detail the prevention and control of occupational diseases.

II. Write Short notes on:

(10 x 5 = 50)

1. How will you apply integrated vector control measures in village of 500 population?
2. Compare Herd immunity for Measles and Tetanus.
3. Justify self care in diabetes mellitus.
4. Post exposure prophylaxis in HIV.
5. Sampling methods.
6. Oral rehydration therapy.
7. Oxidation pond.
8. Mortality data.
9. Plan Cold chain model at Primary Health Centre Level for routine immunization.
10. Evaluation of screening test.

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

[MBBS 0623]

JUNE 2023

Sub. Code :6073

M.B.B.S. DEGREE EXAMINATION

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

THIRD PROFESSIONAL PART – I (CBME)

PAPER III – COMMUNITY MEDICINE - I

Q.P. Code: 526073

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay: (2 x 15 = 30)

1. Classify the Vector Borne diseases prevalent in India. Discuss in detail the epidemiology, prevention and control of Dengue fever.
2. What are the sources of Air Pollution? Discuss the Various Health effects due to Air Pollution. Explain the various measures in place for Surveillance and Control of Air Pollution in India.

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

1. Human development Index.
2. Discuss about Bias in epidemiological studies.
3. Sources of health Information.
4. Occupational hazards of agricultural workers.
5. Cancer screening.
6. Plan a Filarial survey for a village of 500 population.
7. Swachh Bharat mission.
8. Assessment of Obesity.
9. Prevention of parent to child transmission of HIV.
10. Modes of intervention in tertiary prevention.

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

[MBBS 0224]

FEBRUARY 2024

Sub. Code :6073

M.B.B.S. DEGREE EXAMINATION

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

THIRD PROFESSIONAL PART – I (CBME)

PAPER I – COMMUNITY MEDICINE

Q.P. Code: 526073

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. A mother of 8 months old male child brought him to a PHC with complaints of breathlessness for one day. The baby had history of fever and cough for 4 days without treatment. On examination baby has temperature-101°F and RR – 64/min without chest in drawing.
 - a) Classify the patient as per IMNCI guidelines.
 - b) Discuss the treatment and follow-up protocol for the child as per IMNCI.
 - c) How will you prevent acute respiratory tract infection?
2. Classify epidemiological study designs. Describe the steps in conducting cohort study and discuss how will you measure the strength of association?

II. Write Short notes on:

(10 x 5 = 50)

1. Describe Human development index.
2. Classify the indicators of health. Enumerate the mortality indicators.
3. Enumerate the procedures in descriptive studies. Discuss about common source epidemic.
4. Explain any five Hill's criteria for association and causation.
5. Grading of dog bite wound and post exposure prophylaxis for rabies.
6. Explain Syndromic management of vaginal discharge and justify this approach.
7. Discuss the various methods of assessment of obesity.
8. Differentiate rapid sand and slow sand filter. Draw a flow diagram of rapid sand filter.
9. Enumerate the benefits under ESI Act. Describe any one benefit briefly.
10. Describe various types of Learning.

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

[MBBS 0524]

MAY 2024

Sub. Code :6073

M.B.B.S. DEGREE EXAMINATION

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

THIRD PROFESSIONAL PART – I - SUPPLEMENTARY (CBME)

PAPER I – COMMUNITY MEDICINE

Q.P. Code: 526073

Time: Three hours

Maximum : 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

(5+10)

1. In a village of population 5000, 25 cases of acute diarrhoeal disease with vomiting reported to the nearest PHC. Entire village receives water supply from a overhead tank. There is no history of common source of food intake. History of pipe leakage near overhead tank present.

- a) Define an Epidemic. List the objectives of an Epidemic investigation.
- b) Assuming yourself as the PHC medical officer, enumerate and describe the steps of conducting outbreak investigation and management in the given scenario.

(2+13)

2. Describe the scope of Employees State Insurance ACT, 1948. Discuss the benefits to the insured persons under the act.

II. Write Short notes on:

(10 x 5 = 50)

1. Draw the web of causation for MI.
2. How will you apply secondary prevention for cancer breast?
3. Discuss in detail about relative risk and attributable risk.
4. Differentiate screening test and diagnostic test.
5. Define Rehabilitation and discuss the various types of rehabilitation.
6. Pasteurization of Milk.
7. Classify the level of hardness in water and discuss the steps in removal of hardness.
8. Explain sanitation barrier with suitable diagram.
9. Classify of occupational diseases with examples.
10. Describe the various pictorial representations of statistical data.

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

[MBBS 0125]

JANUARY 2025

Sub. Code :6073

M.B.B.S. DEGREE EXAMINATION

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

THIRD PROFESSIONAL PART – I MBBS (CBME)

PAPER I – COMMUNITY MEDICINE

Q.P. Code: 526073

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

(2+3+10)

1. What are the four levels of disease prevention? A 35-year-old female underwent Pap smear, what is the level of prevention followed here? Elaborate the modes of intervention of diseases.

(15)

2. Explain the steps of Modern sewage treatment and discuss its role in preventing waterborne disease and promoting public health.

II. Write Short notes on:

(10 x 5 = 50)

1. Changing concepts of public health.
2. Relative risk.
3. Open vial policy.
4. Biological effects of radiation.
5. ESI act.
6. Hidden hunger.
7. Non-verbal communication.
8. Concept of lead time.
9. Sullivan index
10. Food standards.

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

[MBBS 0325]

MARCH 2025

Sub. Code :6073

M.B.B.S. DEGREE EXAMINATIONS

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

THIRD PROFESSIONAL PART – I – SUPPLEMENTARY - CBME

PAPER I – COMMUNITY MEDICINE

Q.P. Code: 526073

Time: Three hours

Maximum: 100 Marks (80 Theory + 20MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

(7+8)

1. Discuss the Epidemiology of Dengue fever in detail. Highlight the role of Community participation and Intersectoral coordination in merging Dengue outbreak effectively in India.

(2+3+10)

2. Define Health education. State the difference between health education and propaganda. Discuss in detail the principles of health education.

II. Write Short notes on:

(10 x 5 = 50)

1. Write a note on modes of intervention.
2. Write a note on Anemia Mukht Bharat.
3. What are the different types of screening?
4. Enlist the characteristics of mentally healthy persons.
5. How do you monitor air pollution?
6. Write a note on doctor -patient relationship
7. What is a sampling frame? What are the different methods of sampling used in research?
8. Write a brief note on the burden of disease among the tribal community.
9. Enlist the difference between incineration and inertization of health care waste.
10. Write a note on prevention and control of lead poisoning.

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 I – COMMUNITY MEDICINE

Q.P. Code: 526073

Time: Three hours

Maximum: 100 Marks (80 Theory + 20 MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

1. In a village of population 5000, 25 cases of acute diarrhoeal disease with vomiting reported to the nearest PHC. Entire village receives water supply from a overhead tank. There is no history of common source of food intake. History of pipe leakage near overhead tank present.
 - a) Define an epidemic. List the objectives of an epidemic investigation. (2 + 3)
 - b) Assuming yourself as the PHC medical officer, enumerate and describe the steps of conducting outbreak investigation for the given scenario. (10)
2. A 4 year old child who weighs 15kgs was brought to the PHC with complaints of dryness of eyes, defective vision during the night. On examination, the child has triangular pearly white spot on bulbar conjunctiva of both the eyes.
 - a) What is the diagnosis? Mention its other signs and symptoms (1+2)
 - b) How do you manage this child? (3)
 - c) Prepare a diet plan for this child. (3)
 - d) Enumerate the various micronutrient deficiencies of public health importance. (6)

II. Write Short notes on:

(10 x 5 = 50)

1. Draw the web of causation for MI.
2. Describe the levels of prevention with suitable examples.
3. Bias in case control study.
4. Informed consent.
5. Define Rehabilitation and discuss the various types of rehabilitation.
6. 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. (3)
 - b) What are the barriers of communication? (2)
7. Classify the level of hardness in water and discuss the steps in removal of hardness.
8. Explain sanitation barrier with suitable diagram.
9. Classification of occupational diseases with examples.
10. Describe the various pictorial representations of statistical data.

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

[MBBS 0126]

JANUARY 2026

Sub. Code: 6073

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 I – COMMUNITY MEDICINE

Q.P. Code: 526073

Time: Three hours

Maximum: 100 Marks (80 Theory + 20 MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

(2+3+10)

1. Define Screening. Add a note on different types of Screening. How will you evaluate a Screening test?

(3+12)

2. Classify Occupational diseases. Explain in detail the measures to prevent and Control Occupational diseases.

II. Write Short notes on:

(10 x 5 = 50)

1. Enlist the differences between Health education and Propaganda.
2. Write a note on the Immunizing agents with examples.
3. What are the different sources of Health information?
4. Brief on Nutritional surveillance.
5. Explain Patient centered care.
6. Write a brief note on the facilities for scheduled tribes under National Health Mission.
7. Write a note on prevention of substance abuse.
8. Write about the association and its types in Epidemiology.
9. What are the models of Health education?
10. What are the biological effects of Radiation?

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

[MBBS 0826]

AUGUST 2026

Sub. Code: 6073

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 I – COMMUNITY MEDICINE

Q.P. Code: 526073

Time: Three hours

Maximum: 100 Marks (80 Theory + 20 MCQs)

Answer all the Questions

I. Essay:

(2 x 15 = 30)

(2+8+5)

1. A study was planned to compare a standard drug with a new drug for reducing blood pressure in hypertensive patients.
 - a) Identify a suitable study design.
 - b) Describe the steps in that study.
 - c) How will you eliminate bias in your study?

(2+13)

2. Define Health Education. Describe the principles of Health Education with suitable example.

II. Write Short notes on:

(10 x 5 = 50)

1. Physical quality of Life Index.
2. Explain Iceberg phenomenon with suitable examples.
3. Describe the clinical features and prevention of Lathyrism.
4. Describe National immunization schedule.
5. Define screening. Enumerate the criteria for a disease to be screened.
6. Describe effects of heat stress.
7. Describe the types of waste to be disposed in the yellow bin under the Bio Medical Waste Management Rules 2016. Prevention and control of Air pollution.
8. Describe epidemiological triad and epidemiological triangle.
9. Write a note on Measures of central tendency and dispersion.
10. Plan five Engineering measures for preventing occupational disease for IT employees.
