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

[MD 0524] **MAY 2024** **Sub. Code: 4040**

M.D. DEGREE EXAMINATION

BRANCH XV – COMMUNITY MEDICINE

PAPER IV – HEALTH POLICY PLANNING, MEDICAL EDUCATION TECHNOLOGY, INFORMATION TECHNOLOGY, INTEGRATION OF ALTERNATIVE HEALTH SYSTEM INCLUDING AYUSH, OCCUPATIONAL HEALTH, RECENT ADVANCES IN PUBLIC HEALTH AND MISCELLANEOUS ISSUES, HEALTH ECONOMICS

Q.P. Code: 204040

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

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

1. Explain on Catastrophic Health Expenditure. Discuss and suggest solutions to address out of Pocket Expenditure issue.
2. Define Ergonomics. Discuss its scope in prevention and control of Occupational Hazards and disease.

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

1. Public Health impact due to Human Migration.
2. Micro Teaching.
3. Role of Geographic information system in preparedness of Vector borne diseases.
4. Medical tourism.
5. Counselling versus Health education.
6. Problem based learning.
7. Ayushman Bharat Digital Mission.
8. Use of Computer in Health Research.
9. AETCOM role Medical Education.
10. Various parts and uses of Health Management and Information System (HMIS).

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

1. Increasing Suicidal Tendencies among Adolescence – justify.
2. Discuss the Relevance of Indigenous System of Indian Medicine in Modern Public era.
3. Information technology is playing vital role in health care – justify.
4. Occupational hazards of software industries – Discuss.

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

[MD 1224] DECEMBER 2024 Sub. Code: 4040

(OCTOBER 2024 EXAM SESSION)

M.D. DEGREE EXAMINATION

COMMUNITY MEDICINE

PAPER IV – HEALTH POLICY PLANNING, MEDICAL EDUCATION TECHNOLOGY, INFORMATION TECHNOLOGY, INTEGRATION OF ALTERNATIVE HEALTH SYSTEM INCLUDING AYUSH, OCCUPATIONAL HEALTH, RECENT ADVANCES IN PUBLIC HEALTH AND MISCELLANEOUS ISSUES, HEALTH ECONOMICS

Q.P. Code: 204040

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

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

1. Enumerate various assessment methods used in medical education? Discuss in detail about each merits and demerits of different assessment methods. Add a note on challenges in its implementation and strategies to overcome it?

2. Compare and contrast organized and unorganized sector. Describe the presenting features and preventive measures of various occupational hazards in agriculture with a conceptual framework?

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

1. Describe the level of preparedness against Ebola infection in India.
2. Discuss on prevention and control of Bio-terrorism.
3. Explain Problem Based Learning with suitable examples.
4. Salient features of National Family Health Survey 5.
5. List out the differences between Sustainable Development Goals (SDG) and Millennium Development Goals (MDG) and discuss Health related Goals in SDG.
6. Explain human genome project.
7. Give a plan to Promote Quality Assurance in Primary Health Care Delivery.
8. Explain Medical pluralism and its role in current health system.
9. Discuss the use of GIS mapping as a public health tool with suitable example.
10. Discuss on interactive teaching methods in Medical Education.

III. Reasoning out: **(4 × 5 = 20)**

1. Critically review national nutrition policy.
2. Micro- financing has impact on women empowerment in rural India – justify.
3. Interaction between modern medicine and indigenous medicine.
4. Infodemics - A new challenge for public health. Give your comments on this statement.

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

[MD 0525] MAY 2025 Sub. Code: 4040

M.D. DEGREE EXAMINATION

COMMUNITY MEDICINE

PAPER IV – HEALTH POLICY PLANNING, MEDICAL EDUCATION TECHNOLOGY, INFORMATION TECHNOLOGY, INTEGRATION OF ALTERNATIVE HEALTH SYSTEM INCLUDING AYUSH, OCCUPATIONAL HEALTH, RECENT ADVANCES IN PUBLIC HEALTH AND MISCELLANEOUS ISSUES, HEALTH ECONOMICS

Q.P. Code: 204040

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

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

1. Enumerate and describe the various financial techniques for effective and efficient management of health program and organization.
2. Describe the various digital tools used in public health with suitable examples. Explain the role of Artificial Intelligence in public health with emphasis on ethical guidelines for using it.

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

1. Flipped classroom.
2. Discuss grievance redressal system with special reference to Consumer Protection act and social security.
3. Discuss the procedures adopted for "Operational Research" in health services.
4. Write in detail about evaluation of effectiveness of health education programme.
5. Enumerate Sustainable Development Goals (SDG) based on core principles and discuss in detail on Goal 3 "Ensure healthy lives and promote well-being for all at all ages"
6. Discuss the health hazards of those involved in Agriculture in India and list measures for their prevention and control.
7. Discuss ergonomics and its impact on standard of living?
8. Scope of AYUSH system of medicine in prevention and control of chronic morbidities.
9. Discuss the various ways for effective use of AV aids.
10. Differentiate Assessment OF learning and Assessment FOR learning.

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

1. How Medical social worker can bring about improvements in existing health care delivery in rural areas.
2. Discuss the Rational use of drugs.
3. World Trade Agreement – Effect on Health.
4. "Breast Feeding is the best investment" – comment.

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

[MD 1025] **OCTOBER 2025** **Sub. Code: 4040**

M.D. DEGREE EXAMINATION

COMMUNITY MEDICINE

PAPER IV – HEALTH POLICY PLANNING, MEDICAL EDUCATION TECHNOLOGY, INFORMATION TECHNOLOGY, INTEGRATION OF ALTERNATIVE HEALTH SYSTEM INCLUDING AYUSH, OCCUPATIONAL HEALTH, RECENT ADVANCES IN PUBLIC HEALTH AND MISCELLANEOUS ISSUES, HEALTH ECONOMICS

Q.P. Code: 204040

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

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

1. What is meant by Health Economics? Explain Cost Minimization and Cost Utility Analysis with suitable examples.

2. Describe in detail about Occupational Hazards of Agricultural Workers. Mention the Preventive & Legislative Measures for Protection of Farmers.

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

1. Role of Public Health Physician in Health Policy Planning.
2. Telemedicine in Public Health.
3. Describe various methods of Health forecasting.
4. Fish bone technique with suitable example.
5. Role of Public Health laboratories in the Prevention and Control of Infectious diseases.
6. Discuss Participatory Learning and Action (PLA) techniques in context of health with example.
7. Human Organs and Tissue Transplantation Act - Discuss its need and essential components.
8. Role of Audio-Visual aids in group discussion.
9. Rights of Persons with Mental illness.
10. Functions of NITI Aayog.

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

1. Grassroot level workers minimizes the burden in Secondary and Tertiary Care Centres – Explain.
2. Digital Health (Ayushman Bharat Digital Mission) will connect the digital solutions of hospital in India.
3. Health professionals Need Management Training – Justify.
4. Antenatal Car is An Investment for health of the population – Justify.

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

[MD 0526] **MAY 2026** **Sub. Code: 4040**

M.D. DEGREE EXAMINATION

COMMUNITY MEDICINE

PAPER IV – HEALTH POLICY PLANNING, MEDICAL EDUCATION TECHNOLOGY, INFORMATION TECHNOLOGY, INTEGRATION OF ALTERNATIVE HEALTH SYSTEM INCLUDING AYUSH, OCCUPATIONAL HEALTH, RECENT ADVANCES IN PUBLIC HEALTH AND MISCELLANEOUS ISSUES, HEALTH ECONOMICS

Q.P. Code: 204040

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

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

1. Discuss the various healthcare delivery system in India.

2. Discuss about the reforms taken under Competency Based Medical Education. How it differs from old regulators?

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

1. Medical tourism in India.
2. Measures of quality of life.
3. Gender based violence and its prevention.
4. Various methods in small group discussion.
5. Role of Artificial Intelligence in Health.
6. Nested case control study
7. International classification of functioning, disability and death.
8. ICER – Incremental cost effectiveness ratio.
9. Role of vaccines in the prevention of cancers.
10. ESI Act.

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

1. Cost benefit vs Cost effective analysis.
2. Tribals are at increased risk of health problems – Justify.
3. Montreal protocol considered as powerful climate treaty than Kyoto protocol.
4. Advantage and disadvantage of MCQ in measuring student learning.

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