

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – NOVEMBER 2025
PAPER I

Monday, November 10, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Explain the methods involved in comparing health indicators between two distinct populations.
2. Roadmap to Measles Rubella Elimination in India.
3. Childhood obesity as an impending Public Health threat- Discuss.
4. Discuss the National and International strategies for early case detection, prevention, and control of emerging infections.
5. Importance of Meta-analysis in evidence synthesis.
6. Discuss the various Disability rates and its role in allocation of resources in health care system.
7. Justify the integration of Non-Alcoholic Fatty Liver Diseases (NAFLD) into non-communicable disease programme.
8. Discuss the WHO Framework for implementing triple Elimination of Mother to Child Transmission (EMTCT) of HIV, Syphilis and Hepatitis B.
9. Newer Public Health Initiatives under National Tuberculosis Elimination Programme (NTEP).
10. Regression models in Biomedical Research.

(10 marks × 10 = 100 marks)



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PAPER II

Tuesday, November 11, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ **Answer ALL the questions.**

1. Discuss how Community Health Officers (CHO) can provide an integrated health service along with Auxiliary Nurse Midwives and Accredited Social Health Activists.
(10 marks)
2. Discuss the role of the National Health Mission in providing comprehensive health care in India.
(10 marks)
3. Discuss the salient features of Poshan Abhiyan. Add a note on Saksham Anganwadi.
(7+3 = 10 marks)
4. Describe epidemic dropsy in detail. Discuss how it can be prevented under the Food Safety and Standard act, of 2006
(10 marks)
5. Explain the Medical Termination of Pregnancy (MTP) Amendment Act of 2021.
(10 marks)
6. Compare and contrast maternal and child health indicators between the tribal and national populations of India. Suggest strategies for improvement of reproductive and child health among the tribal population.
(5+5 = 10 marks)
7. Describe the local self-government model in India.
(10 marks)
8. Discuss the method of purification of water using mechanical filters for the city where you are residing.
(10 marks)
9. Describe the Adolescent Health Programme under RMNCAH+N.
(10 marks)
10. What is inventory management? Discuss ABC analysis in inventory management with a suitable example.
(2+8 = 10 marks)



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Wednesday, November 12, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.**✍ Essay Questions.**

1. Explain different indices used in the assessment of the quality of a scientific journal. (10 marks)
2. The health care system very often ignores the mental health of a person. Justify this statement. (10 marks)
3. Discuss different data presentation techniques. Add a note on the advantages and disadvantages of each one of them. (5+5 = 10 marks)
4. Describe disaster mitigation and its application in the current climatic situation. (10 marks)
5. Role of international organizations in achieving the Sustainable Development Goals. (10 marks)
6. Real-world applications of Systematic reviews and meta-analysis. (10 marks)
7. SWOT analysis of Bio-Medical Waste Management Rules, 2016. (10 marks)
8. Indian Factories Act 1948. (10 marks)
9. Role of family in health and diseases during the post-pandemic times. (10 marks)
10. Explain different approaches to health education with suitable examples. (10 marks)



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PAPER IV

Thursday, November 13, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

1. Propose a model of health care for India integrating AYUSH, which is based on principles of decentralization for the control of non-communicable diseases.
(10 marks)
2. Discuss Artificial intelligence (AI) and Machine Learning (ML) in public health care.
(10 marks)
3. Describe the roles and functions of the NITI Aayog. Discuss the Cross-sectoral goals and approach in National Health Policy (NHP), 2017.
(5+5 = 10 marks)
4. Critically analyze 'Ayushman Bharat,' the flagship program of the government of India.
(10 marks)
5. Critically review the Health Management Information system used at the community level.
(10 marks)
6. What are the key strategies adopted under the National Tuberculosis Elimination Program (NTEP)? Explain in detail the role of Universal Drug Susceptibility Testing (UDST) and Isoniazid Preventive Therapy in achieving the goal of a free India by 2030.
(5+5 = 10 marks)
7. Describe the clinical features of plumbism. Discuss the role of medical measures for the prevention of plumbism in the battery manufacturing industry.
(2+8 = 10 marks)
8. Difference between Cost-Benefit Analysis and Cost-Effectiveness Analysis. Add a note on the Incremental Cost-Effectiveness Ratio (ICER).
(5+5 = 10 marks)
9. What are the tests/measurements done in the National Family Health Survey-5 (NFHS-5)? Add a note on the civil registration system in India.
(6+4 = 10 marks)
10. Discuss the role of the integrating WHO package of essential non-communicable diseases (WHO-PEN) in Ayushman Arogya Mandir (AAM).
(10 marks)

