

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2022
PAPER I

Friday, April 01, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Critically review the National Vector Borne Disease Control Program with respect to situation of Malaria in India.

(15 marks)

2. In your capacity as a reproductive and child health officer of a district, describe a plan to evaluate immunization coverage in the district. Describe the various factors affecting immunization coverage in India.

(15 marks)

3. **Short Notes on:**

3A. Reemerging diseases

3B. Types of non-probability sampling techniques

3C. Limitations of mortality data in India

3D. Kyasanur Forest Disease vaccine

3E. HIV sentinel surveillance in India.

3F. Determinants of health.

3G. Investigation of Measles outbreak in a village.

3H. Role of implementation research in public health

3I. Management of HIV-TB coinfection

3J. Measures to prevent airborne infection in hospital settings.

(7 marks × 10 = 70 marks)



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PAPER II

Saturday, April 02, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Describe the National Programmes focusing on issues related to women and children. Add a note on the role of inter country organizations in implementing these programmes.
(10+5 = 15 marks)
2. Discuss the Sustainable Development Goal -6 with reference to clean water and sanitation for all.
(15 marks)

3. **Short Notes:**

- 3A. SWOT analysis of government health care delivery system in India
- 3B. Panchayat Raj System in India
- 3C. Give a plan to promote quality assurance in primary health care delivery.
- 3D. Discuss mechanism of infection control in the medical college hospital
- 3E. Submit a detailed plan for evaluation of UIP in a district
- 3F. Anemia Mukth Bharath
- 3G. Salient points from recent national health policy
- 3H. Unmet need for family planning in India
- 3I. Barriers in doctor – patient communication
- 3J. Impact of demographic transition on health in India
(7 marks × 10 = 70 marks)



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PAPER III

Monday, April 04, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Enumerate types of injuries and the global burden. Discuss the primary factors responsible for road traffic accidents. Identify the status of pre hospital care for road traffic injuries in the country.

(15 marks)

2. Discuss the role of bias in epidemiological studies. Illustrate the methods used to control bias.

(15 marks)

3. **Write Short notes on:**

3A. Vaccination coverage evaluation survey

3B. Discuss the role of registries in cancer control

3C. Discuss the relevance of social media in health communication

3D. Explain how social factors affect health

3E. Dietary transition in developing nations and its impact on non -communicable diseases

3F. Explore the issues of a migrant population in the event of a large scale disease outbreak leading to lockdown of borders.

3G. Discuss the world health day theme for 2017 “depression- let’s talk” from the context of the youth in India

3H. International health regulations and its relevance in the backdrop of a pandemic

3I. Epidemic diseases act 1897

3J. In depth interviews and its role in qualitative research.

(7 marks × 10 = 70 marks)



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PAPER IV

Tuesday, April 05, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Critically review the National Health Policy -2017
(15 marks)
2. In your capacity as an occupational health specialist, describe the measures that would be implemented to improve the health of those working in a glass factory.
(15 marks)

3. **Write Short notes on:**

- 3A. Recent advances in contraception
- 3B. Discuss the utility of Sample Registration System as a source of health information.
- 3C. Role of remote sensing in vector borne diseases.
- 3D. Challenges in implementation of Ayushman Bharat
- 3E. Flipped class room
- 3F. Role of ergonomics in enhancing occupational health and safety
- 3G. Genetic counselling
- 3H. Compare and contrast cost benefit analysis with cost effective analysis
- 3I. Scope of AYUSH system of medicine in prevention and control of chronic morbidities
- 3J. Briefly discuss India's progress towards SDG pertaining to maternal and child health indicators

(7 marks × 10 = 70 marks)

