

Reg. No.									
----------	--	--	--	--	--	--	--	--	--

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – MAY 2021**

**PAPER I**  
Monday, May 03, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss Epidemiology and Challenges faced in tackling the problem of **HIV / AIDS** in India.  
(15 marks)
2. Discuss **strategy** for Elimination of **Measles** from India, **challenges** and the **way forward**.  
(15 marks)

3. **Write Short Notes on:**

- 3A. Human Development Index and its application
- 3B. Social Marketing in Public Health with example.
- 3C. Test of Significance in Statistics.
- 3D. Notification of infectious diseases in India.
- 3E. Syndromic approach for Sexually Transmitted diseases.
- 3F. Indicators to assess social determinants of health
- 3G. Emerging Viruses.
- 3H. Application of Poisson distribution in statistics.
- 3I. Health Care Inequalities: An Indian perspective.
- 3J. Current therapeutic guidelines for Malaria management as per the national program  
(7 marks × 10 = 70 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – MAY 2021**  
**PAPER II**

Tuesday, May 04, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Comment critically on the various Nutritional programmes for vulnerable groups in India.  
(15 marks)
2. Justify the statement “Global warming is one of the greatest threats to our planet”. Discuss the causes, and the responsibility of government and individuals in mitigation of Global warming.  
(15 marks)

3. **Write Short Notes on:**

- 3A. Facility based New-born care.
- 3B. Assessment of Growth and Development in children.
- 3C. Demographic Gap.
- 3D. Commercialization of Health Care Services.
- 3E. Methods for medical waste treatment.
- 3F. Existing Health Insurance schemes in India.
- 3G. Principles of Primary Health Care.
- 3H. Recent advances in Contraception.
- 3I. Pre Conception and Pre Natal Diagnostic Techniques (PCPNDT) Act.
- 3J. Government schemes for girl child in India.

(7 marks × 10 = 70 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – MAY 2021**

**PAPER III**

Wednesday, May 05, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. As a public health expert, discuss the strategies that you would plan and undertake to lessen the impact of a disaster in an area prone for earthquakes.

(15 marks)

2. Critically review the National Program for Control of Blindness and Visual Impairment.

(15 marks)

3. **Write Short Notes on:**

3A. Plagiarism

3B. Influence of social class on health status

3C. Role of mass media in public health

3D. Significance of literature search in research methodology

3E. Case cohort study

3F. Functions of health communication

3G. Discuss the epidemiology and preventive strategies for drug addiction

3H. Role of non-governmental organizations in healthcare of vulnerable population

3I. Types of Learning

3J. Preventive strategies for type 2 Diabetes Mellitus

(7 marks × 10 = 70 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – MAY 2021**  
**PAPER IV**

Thursday, May 06, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. List the various occupational diseases due to exposure of chemical agents. Explain Occupational safety and health management during chemical incidents.

(15 marks)

2. Describe the Policy Thrust areas mentioned in the GOI National Health Policy 2017.

(15 marks)

3. **Write Short Notes on:**

3A. Drawbacks of various sources of health information

3B. Potential uses of artificial intelligence in public health domains

3C. Barriers and concerns to the effective convergence of genetics and public health

3D. Recent advances in diagnosis of tuberculosis

3E. Challenges faced in delivering occupational health services in India

3F. Explain use of GIS mapping as a public health tool with suitable examples

3G. Challenges to the implementation of competency-based medical education

3H. Strategies to facilitate integration of AYUSH in the existing health set-up

3I. As a public health researcher, illustrate methods that could be used to influence health policy decisions.

3J. Critically analyze the role of health insurance as a financing method to achieve universal health coverage.

(7 marks × 10 = 70 marks)

