

MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL MBBS PART – I DEGREE EXAMINATION – JANUARY 2023
SUBJECT : COMMUNITY MEDICINE – PAPER - I (ESSAY)
(OLD REGULATION)

Monday, January 02, 2023

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **All questions are compulsory.**

✍ **Illustrate your answer with suitable diagram wherever necessary.**

✍ **Long questions:**

1. Illustrate the design of a parallel Randomised Controlled Trial. Discuss the method to prevent selection bias in this type of study.

(6+4 = 10 marks)

2. Describe the overall objectives and the broad strategies in the national framework for malaria elimination in India. Explain the key interventions recommended for each category of states.

(2+3+5 = 10 marks)

3. **Short Notes:**

3A. Describe the uses of health indicators. Enumerate four commonly used mortality indicators

(2+2 = 4 marks)

3B. Identify the dimensions used in the computation of human development index

(4 marks)

3C. Discuss the use of epidemiology in community health assessment

(4 marks)

3D. Describe the guidelines for judging causality of an epidemiological association

(4 marks)

3E. Illustrate the difference between eradication and elimination with suitable examples

(4 marks)

3F. Mention the factors that determine the effective functioning of a cold chain

(4 marks)

3G. Discuss the factors that determine the reliability of a screening test used to identify people with HIV infection

(4 marks)

3H. Discuss the significance of “registration of vital events” as a source of health information. Identify the challenges faced in developing countries.

(2+2 = 4 marks)

3I. Describe the epidemiology of viral hepatitis B.

(4 marks)

- 3J. Identify the epidemiological indices used to measure the programme strategy in tuberculosis. (4 marks)
- 3K. Describe the strategy for filariasis control in the community (4 marks)
- 3L. Explain the epidemiological determinants of rabies in man. (4 marks)
- 3M. Explain the role of vector bionomics in disease control. (4 marks)
- 3N. Describe the sanitation measures recommended for a swimming pool. (4 marks)
- 3O. Enumerate the sources of air pollutants. Discuss the health effects of air pollution. (1+3 = 4 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL MBBS PART – I DEGREE EXAMINATION – JANUARY 2023

SUBJECT : COMMUNITY MEDICINE – PAPER - II (ESSAY)
(OLD REGULATION)

Wednesday, January 04, 2023

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **All questions are compulsory.**

✍ **Illustrate your answers with suitable diagrams wherever necessary.**

✍ **Long questions:**

1. Explain the concept of RISK APPROACH in antenatal care and list out the cases that comprise it. Describe the preventive and social measures taken to lower Maternal Mortality Ratio.

(6+4 = 10 marks)

2. Describe the various strategies to prevent Cardiovascular diseases under the NPCDCS programme. Describe Rule of Halves in Hypertension with a neat diagram

(6+4 = 10 marks)

3. **Short Notes:**

3A. List out and briefly explain four social factors responsible for infant mortality

(4 marks)

3B. Briefly describe any four advices that should be given to a lady during her post-partum period

(4 marks)

3C. Briefly explain the rationale and strategy of Janani Suraksha Yojana (JSY)

(4 marks)

3D. Briefly explain term Couple Protection Rate (CPR) and its relationship with Net Reproduction Rate (NRR)

(4 marks)

3E. Briefly explain Second Generation IUDs

(4 marks)

3F. Explain Food Fortification with relevant examples

(4 marks)

3G. Write a short note on clinical manifestations of Thiamine deficiency

(4 marks)

3H. Briefly explain any two community nutrition programs implemented in India

(1+3 = 4 marks)

- 3I. List the four essential components of National Iodine Deficiency Disorder Control Programme and explain any one of them (4 marks)
- 3J. Explain any two principles of Primary Health Care with suitable examples (4 marks)
- 3K. Discuss the various barriers of communication with examples (4 marks)
- 3L. Draw the Bio-Hazard symbol according to Schedule III of Bio-medical Waste (Management and Handling) Rules in India. Add a brief note on Inertization (4 marks)
- 3M. Briefly describe the lifestyle modifications that need to be adapted for healthy ageing (4 marks)
- 3N. List out any four environmental factors responsible for mental disorder with relevant examples. (4 marks)
- 3O. List out the benefits for the Employers under the ESI scheme under the ESI Act. (4 marks)

