

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

Thursday, December 07, 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. Define Epidemiology. Discuss the elements of a cohort study. Briefly explain any 4 criteria described by Bradford Hill and others regarding causal relationship.

(1+5+ 4 = 10 marks)

2. Discuss epidemiological triad with respect to Dengue. Add a note on Integrated Vector Control.

(6+4 = 10 marks)

3. **Short Notes:**

3A. Briefly describe any two interventions in the area of Health Promotion.

(2+2 = 4 marks)

3B. What is latent period? What is its epidemiological importance of this period?

(2+2 = 4 marks)

3C. Briefly describe Standardized Mortality Ratio (SMR).

(4 marks)

3D. Briefly describe matching carried out in case control studies with 2 relevant examples.

(2+2 = 4 marks)

3E. Describe cross-over controlled therapeutic trial with a schematic diagram.

(2+2 = 4 marks)

3F. Explain the differences between Quarantine and Isolation with suitable examples

(4 marks)

3G. Explain the concept of “Secondary Attack Rate” with a suitable example.

(4 marks)

3H. Briefly explain any TWO sampling methods.

(4 marks)

3I. Describe the modes of transmission of Hepatitis E infection and methods to prevent the same.

(4 marks)

- 3J. Describe the public health importance of Rubella (4 marks)
- 3K. Briefly explain steps involved in control of cases of Japanese Encephalitis (4 marks)
- 3L. Write a short note on Staphylococcal Food Poisoning. (4 marks)
- 3M. Explain the concept of rain water harvesting with a suitable diagram. (4 marks)
- 3N. Illustrate the role of family in maintaining good health. (4 marks)
- 3O. Briefly explain measures for control of brucellosis among humans. (4 marks)



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FINAL MBBS PART – I DEGREE EXAMINATION – DECEMBER 2023

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

Saturday, December 09, 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 4 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 the term Couple Protection Rate (CPR) and its relationship with Net Reproduction Rate (NRR)

(4 marks)

3E. 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 4 essential components of National Iodine Deficiency Disorder Control Programme and explain any one of them? (4 marks)
- 3J. Explain any 2 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. Identify the lifestyle modifications that need to be adapted for healthy ageing. (4 marks)
- 3N. List out any 4 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)

