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## MANIPAL ACADEMY OF HIGHER EDUCATION

## FINAL MBBS PART – I DEGREE EXAMINATION – MARCH 2025

## SUBJECT: COMMUNITY MEDICINE - PAPER - I (ESSAY) (OR-NON-CBME - 2018 AND PRIOR BATCHES)

Thursday, March 13, 2025

Time: 10:20 – 13:00 Hrs. Maximum Marks: 80

- All questions are compulsory.
- Illustrate your answers with suitable diagrams wherever necessary.

## **∠** Long answer questions:

1. Describe the epidemiological determinants of malaria. Discuss the approaches and strategies for malaria control in India with emphasis on falciparum malaria.

(4+6 = 10 marks)

2. Explain the concept of the Natural History of Disease. Discuss the various levels of prevention and modes of interventions corresponding to the natural history with an example.

(3+7 = 10 marks)

- 3. Short notes:
- 3A. Illustrate the diagnostic algorithm for drug sensitive pulmonary tuberculosis under the National Tuberculosis Elimination Program (NTEP).

(4 marks)

3B. Discuss the role of family in health and disease.

(4 marks)

3C. Define incubation period. Explain its epidemiological importance.

(1+3 = 4 marks)

3D. Discuss the steps in conducting a case-control study.

(4 marks)

3E. Enumerate the steps involved in the investigation of an epidemic.

(4 marks)

3F. Define re-emerging infections with examples. Explain the factors responsible for re-emergence of infectious diseases.

(1+3 = 4 marks)

3G. Discuss common-source epidemics with examples.

(4 marks)

3H. Discuss the measures to evaluate a screening test.

(4 marks)

3I. Enumerate the characteristics of an ideal indicators. Explain Disability Adjusted Life years.

(1+3 = 4 marks)

3J. Explain statistical averages with examples.

(4 marks)

3K. Discuss the strategies for polio eradication in India.

(4 marks)

3L. Rotavirus vaccine.

(4 marks)

3M. Describe the biological effects of radiation exposure.

(4 marks)

3N. Discuss the strategies for prevention and control of air pollution.

(4 marks)

3O. Enumerate the diseases transmitted by ticks.

(4 marks)