

COMMUNITY MEDICINE**PAPER-I**

Time: 3 hours

CM/D/20/45/I

Max. Marks:100

Important Instructions:

- **You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.**
- **Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.**
- **No additional supplementary answer sheet booklet will be provided.**
- *Attempt all questions in order.*
- *Each question carries 10 marks.*
- *Read the question carefully and answer to the point neatly and legibly.*
- *Do not leave any blank pages between two answers.*
- *Indicate the question number correctly for the answer in the margin space.*
- *Answer all the parts of a single question together.*
- *Start the answer to a question on a fresh page or leave adequate space between two answers.*
- *Draw table/diagrams/flowcharts wherever appropriate.*

Write short notes on:

1. a) What is the difference between association and causation? 2+8
b) What are the criteria for judging causality? Explain with example.
2. Define surveillance. Discuss the objectives of surveillance, types of surveillance systems, data collection, analysis and uses. 1+9
3. Correlation and Regression and their utility in Public health. 5+5
4. a) Herd immunity. 5+5
b) Normal human immunoglobulin and specific human immunoglobulin.
5. Define primary health care. What is the role of Sir Joseph Bhore in developing health system in India? How it is similar to Universal health care? 2+3+5
6. Define vital statistics. Describe the types, sources and methods of collection of data with suitable examples. 2+(2+3+3)
7. a) What is the role of Ethics in biomedical Research? 3+7
b) What is the constitution of Institutional Ethics Committee(IEC)?
Give one function of each of the members of IEC.
8. What is the role of James Lind? Discuss his experiments and how that help in development of experimental epidemiology? 10

P.T.O.

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9. a) Discuss the dynamics of human behaviour related to health and disease. 5+5
b) How this understanding helps in motivation for healthy behavior?
10. a) What are the factors affecting infant mortality in India? 5+5
b) What are the preventive and social measures to reduce infant mortality in India?

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