

FIELD EPIDEMIOLOGY

PAPER – I

Time : 3 hours
Max. Marks : 100

FIELD/D/17/50/I

Important instructions:

- 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. Define epidemiology. What are various tools of measurement used in epidemiology? Explain with suitable examples. | 1+3+6 |
| 2. Measurement of morbidity and sources of morbidity statistics. | 6+4 |
| 3. Time trends in disease occurrence, explain with examples. | 10 |
| 4. a) Design and potential biases in a Cohort study
b) When is a Cohort study warranted? | (3+4)+3 |
| 5. Odds ratio in a Cohort and case control study and its interpretation | 4+4+2 |
| 6. What is non-randomized trials, explain with suitable example? | 10 |
| 7. Problems in assessing the sensitivity and specificity of screening tests and cost benefit analysis of screening. | 6+4 |
| 8. Closed population and open populations | 5+5 |
| 9. Association and causation | 5+5 |
| 10. Concepts of ecological measurement, rationale and inference of ecologic studies | 3+3+4 |
