

FIELD EPIDEMIOLOGY**PAPER – I**

Time : 3 hours

FIELD/D/17/50/I

Max. Marks : 100

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 (3+4)+3
b) When is a Cohort study warranted?
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
