

FIELD EPIDEMIOLOGY

PAPER-I

FED/D/18/50/I

Time: 3 hours
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 field epidemiology. Explain how it is different from clinical epidemiology. What are its scopes in health care? 2+4+4
2. Define vital statistics. Explain in brief about its relevance to field epidemiology. 2+8
3. Write in brief about "Use of Information Technology in Field Epidemiology" with suitable examples. 10
4. What are levels of prevention? Explain different modes of interventions for each level with examples. 10
5. Explain different types of epidemics with examples. 10
6. What is nested case control study? Describe its steps with examples. 2+8
7. What is confounding factor? How will you control them in epidemiological study, explain with examples? 2+8
8. What is Receiver Operative Characteristic (ROC) curve? Explain its use in screening tests with suitable example. 2+8
9. What is epidemic forecasting? Explain its scope in epidemic control with examples. 2+8
10. Enlist at least four areas where knowledge and skills of epidemiology can be used in health management? Explain two of them with examples. 2+8
