FIELD EPIDEMIOLOGY
PAPER-II

Time: 3 hours
Max. Marks:100

FED/D/19/50/II

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. What is Universal Health Coverage? How do we advance the agenda of Universal Health Coverage in India?   3+7

2. What are the health workforce challenges in India?   10

3. What is environmental epidemiology? Describes its role in climate change assessment studies.   2+8

4. What is sensitivity and specificity of diagnostic test? What is the predictive accuracy of a diagnostic test, explain with examples?   6+4

5. Discuss various sources of health data in India.   10

6. Explain standardized mortality rates with example.   10

7. What is Human Development Index (HDI)? How is it calculated? What is the implication of HDI on health?   2+5+3

8. Explain the validity and reliability of diagnostic test. How we can measure reliability?   5+5

9. What is Cancer registry? How does it help in Control of Cancers in India?   2+8

10. Define bias. Enumerate types of biases. Explain Neyman fallacy with an example.   2+2+6

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