

**SOCIAL AND PREVENTIVE MEDICINE**

**PAPER-I**

Time: 3 Hours  
Max. Marks: 100

SPM/D/19/45/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. a) History of vaccine development in the world. 5+5  
b) Levels of prevention with three examples of each level of prevention.
2. a) Define Community Medicine. 3+7  
b) Explain the role of Community Medicine Specialists for providing health care in the community.
3. a) Case control study design and its uses with suitable example. 5+5  
b) Time trends in the disease occurrence with three example of each trend.
4. How does sensitivity and specificity vary when multiple test is used sequentially and simultaneously? Explain with example. 10
5. Actions taken towards Health Related SDGs by Indian Government. 10
6. a) What is incidence density sampling? Make a brief protocol of a study to explain it. 5+5  
b) Association and its significance in health and disease.
7. a) Test of significance in quantitative studies. 5+5  
b) Survival analysis.
8. a) Meta-analysis. 5+5  
b) Evidence based pyramid.
9. a) Prevention paradox and its limitations. 5+5  
b) Family study and its uses in planning of preventive services.
10. a) Social determinants of health. 5+5  
b) Community Need Assessment.

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