

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:

- a) History of vaccine development in the world. 5+5
 - b) Levels of prevention with three examples of each level of prevention.
- a) Define Community Medicine. 3+7
 - b) Explain the role of Community Medicine Specialists for providing health care in the community.
- 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.
- How does sensitivity and specificity vary when multiple test is used sequentially and simultaneously? Explain with example. 10
- Actions taken towards Health Related SDGs by Indian Government. 10
- 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.
- a) Test of significance in quantitative studies. 5+5
 - b) Survival analysis.
- a) Meta-analysis. 5+5
 - b) Evidence based pyramid.
- a) Prevention paradox and its limitations. 5+5
 - b) Family study and its uses in planning of preventive services.
- a) Social determinants of health. 5+5
 - b) Community Need Assessment.
