

**SOCIAL & PREVENTIVE MEDICINE**

PAPER – I

SPM/J/17/45/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. a) Define health. 1+3+6  
b) What are the characteristics of an ideal health indicator?  
c) Explain various health indicators with examples.
2. How will you plan and conduct a cohort study, using an illustrative example. 10
3. a) Define ecological studies. 1+5+4  
b) Explain assessment of short term fluctuations in disease occurrence using descriptive epidemiology.  
c) Explain 'spot map' and its uses with suitable examples.
4. a) Enumerate steps in planning and conduct of an intervention trial in a hospital. 5+5  
b) Explain various types of non-intervention trials with examples.
5. a) Enumerate and classify various types of cold chain equipment used in UIP. 4+3+3  
b) What is ILR and its role in cold chain?  
c) Enumerate steps in investigation of adverse events following an immunization campaign.
6. a) Clinical features of dengue. 3+3+4  
b) Reporting of dengue under Integrated Disease Surveillance Program.  
c) Integrated Vector Control.
7. a) Types of Drug Resistance in tuberculosis. 2+3+5  
b) Causes of drug resistance in tuberculosis.  
c) Principles and components of 'End TB strategy'.

**P.T.O.**

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8. a) Active intervention measures for prevention and control of malaria. 5+3+2  
b) Treatment failure in malaria.  
c) Treatment of mixed infectious malaria (vivax and falciparum) in states other than NE states of India.
9. a) Define hospital acquired infections. 2+3+5  
b) Sources and routes of spread of hospital acquired infections.  
c) What preventive measures will you implement in a hospital for prevention and control of hospital acquired infections?
10. a) List the types of diarrheal diseases. 2+4+4  
b) Epidemiology of diarrheal diseases in India.  
c) Strategies for prevention and control of cholera.

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