

SOCIAL & PREVENTIVE MEDICINE
PAPER-I

SPM/J/18/45/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:

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| 1. | a) Enumerate any four dimensions of health.
b) Spectrum of health.
c) Role of socio-economic conditions as determinants of health. | 2+4+4 |
| 2. | a) Disability Adjusted Life Years (DALY).
b) Enumerate main objectives of Global Reference list of Core Health Indicators.
c) Characteristics of Health Care. | 4+2+4 |
| 3. | a) Ottawa Charter for Health Promotion (background, action areas, strategies).
b) Natural history of disease. | 4+6 |
| 4. | a) Health promotion as a mode of intervention.
b) Enumerate at least four modes of indirect transmission in communicable diseases.
c) Vector borne transmission and give its epidemiological classification with examples based on transmission chain. | 3+2+5 |
| 5. | a) Active immunity
b) Storage of Vaccines in Ice Lined Freeze
c) Herd immunity | 4+4+2 |
| 6. | a) First line bactericidal drugs in tuberculosis.
b) Drug resistance in tuberculosis.
c) The End TB strategy | 2+3+5 |
| 7. | a) Polio Surveillance.
b) Epidemiological determinants of diarrhoeal diseases.
c) Long term measures for prevention and control of diarrhoeal diseases. | 3+4+3 |
| 8. | a) Investigate an outbreak of cases of diarrhoea and vomiting after consumption of a common meal by a large number of people in a social function in a community.
b) Laboratory diagnosis of cholera. | 7+3 |

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9. a) Anti-typhoid vaccines. 3+5+2
 b) Strategies for prevention and control of malaria.
 c) Chemoprophylaxis against malaria.
10. a) Epidemiology of Scrub Typhus. 4+2+4
 b) Impact indicators for monitoring HIV control.
 c) Sources, routes of spread and recipients of hospital acquired
 infections.
