

FINAL EXAM  
JUNE 2018

NATIONAL BOARD OF EXAMINATIONS

## SOCIAL &amp; 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:

- |    |  |       |
|----|--|-------|
| 1. | a) Enumerate any four dimensions of health.<br>b) Spectrum of health.<br>c) Role of socio-economic conditions as determinants of health.   | 2+4+4 |
| 2. | a) Disability Adjusted Life Years (DALY).<br>b) Enumerate main objectives of Global Reference list of Core Health Indicators.<br>c) Characteristics of Health Care.  | 4+2+4 |
| 3. | a) Ottawa Charter for Health Promotion (background, action areas, strategies).<br>b) Natural history of disease.   | 4+6   |
| 4. | a) Health promotion as a mode of intervention.<br>b) Enumerate at least four modes of indirect transmission in communicable diseases.<br>c) Vector borne transmission and give its epidemiological classification with examples based on transmission chain. | 3+2+5 |
| 5. | a) Active immunity<br>b) Storage of Vaccines in Ice Lined Freeze<br>c) Herd immunity   | 4+4+2 |
| 6. | a) First line bactericidal drugs in tuberculosis.<br>b) Drug resistance in tuberculosis.<br>c) The End TB strategy   | 2+3+5 |
| 7. | a) Polio Surveillance.<br>b) Epidemiological determinants of diarrhoeal diseases.<br>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.<br>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.

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