

**SOCIAL AND PREVENTIVE MEDICINE**

**PAPER – I**

SPM/D/17/45/I

Time: 3 hours

Max. Marks: 100

- 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 question to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

- Define "Primary health care"? 2+4+4
  - Levels of prevention with examples?
  - What is 'Disability limitation'? Illustrate with suitable examples.
- Define Human Development Index (HDI). 2+8
  - Outline the steps to estimate HDI.
- Define Years of Potential Life Lost. 2+4+4
  - Enumerate healthcare delivery indicators.
  - Enumerate health policy indicators.
- Define 'Incidence' and 'Prevalence'. What is the relationship between 'Prevalence' and 'Incidence?' 5+2+3
  - Uses of Prevalence
  - Special incidence rates
- What is 'Bimodality'? Give an example. (2+2)+6
  - Differentiate between observational and intervention studies with illustrative examples.
- Communicability in measles 2+2+6
  - Complications of measles
  - Measures for prevention and control of measles.
- Differentiate between antigenic shift and drift. 2+3+5
  - Contraindications of inactivated vaccines.
  - Antiviral therapy in pandemic influenza A (H<sub>1</sub>N<sub>1</sub>) 2009
- Epidemiology of meningococcal meningitis. 2+8
  - Submit a plan for investigation and control of an outbreak of meningitis in the district jail.

**P.T.O**

9. a) Differentiate between various types of viral Hepatitis as per agent factors and mode of transmission. 5+5  
b) Would you advocate introducing Hepatitis A vaccine in the National programme? Substantiate with reasons.
10. a) WHO clinical staging system for HIV infection in children. 4+6  
b) Post exposure prophylaxis for HIV (WHO 2016)

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