

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:

1. a) Define "Primary health care"? 2+4+4
b) Levels of prevention with examples?
c) What is 'Disability limitation'? Illustrate with suitable examples.
2. a) Define Human Development Index (HDI). 2+8
b) Outline the steps to estimate HDI.
3. a) Define Years of Potential Life Lost. 2+4+4
b) Enumerate healthcare delivery indicators.
c) Enumerate health policy indicators.
4. a) Define 'Incidence' and 'Prevalence'. What is the 5+2+3
relationship between 'Prevalence' and 'Incidence'?
b) Uses of Prevalence
c) Special incidence rates
5. a) What is 'Bimodality'? Give an example. (2+2)+6
b) Differentiate between observational and intervention studies with illustrative examples.
6. a) Communicability in measles 2+2+6
b) Complications of measles
c) Measures for prevention and control of measles.
7. a) Differentiate between antigenic shift and drift. 2+3+5
b) Contraindications of inactivated vaccines.
c) Antiviral therapy in pandemic influenza A (H₁N₁) 2009
8. a) Epidemiology of meningococcal meningitis. 2+8
b) 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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