

**SOCIAL & PREVENTIVE MEDICINE**

PAPER – II

SPM/J/17/45/II

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) Family cycle. 3+4+3  
b) Role of family in health and disease.  
c) Importance of cultural factors in health and disease.
  
2. a) Define operational research. 1+5+4  
b) Phases of operational research.  
c) Explain the role of operational research in Health Services with example.
  
3. a) Gross national income. 2+3+2+3  
b) Global hunger index  
c) Purchasing power parity.  
d) Hidden hunger
  
4. a) Channels of communication 3+3+4  
b) Social Interaction Model of Health Education.  
c) Regulatory approach to Health Education.
  
5. a) Purification of water on a large scale. 5+5  
b) Collection and transport of a sample of water for bacteriological examination.
  
6. a) Health, social and economic effects of air pollution. 3+4+3  
b) Prevention and control of air pollution.  
c) Control measures for noise.
  
7. a) Methods of disposal of solid wastes. 5+2+3  
b) Sanitation barrier.  
c) Septic tank.

**P.T.O.**

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8. a) Transmission of arthropod borne diseases. 3+2+2+3  
b) Integrated vector management.  
c) Flea indices.  
d) Anti-rodent measures.
9. a) Health hazards of health care wastes. 2+8  
b) Explain various treatment and disposal techniques for Biomedical Waste.
10. a) World Health Day 2017. 3+4+3  
b) Components of National Mental Health Program.  
c) Critical evaluation of National Mental Health Program.

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