

SOCIAL AND PREVENTIVE MEDICINE
PAPER-III

Time: 3 hours
Max. Marks:100

SPM/J/20/45/III

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. The prevalence of non-communicable diseases has shown an upward trend in past few decades. Answer the following questions: 5+5
 - a) What are the gaps in natural history of non-communicable diseases?
 - b) Briefly define the WHO Global action plan for the prevention and control of NCD.
2. Ms Sandhya is a 25-year-old woman who has come with complaints of fatigue over last few months. She was examined by a medical officer of PHC and found to be suffering from anaemia. 2+3+5
 - a)
 - i. What are the cut-off levels of haemoglobin to diagnose anaemia in various categories according to WHO?
 - ii. Briefly discuss the problem of anaemia, with suitable data, in India.
 - b) Discuss in brief the 6X6X6 strategy of Anaemia Mukh Bharat Programme.
3. To address the various issues related to nutrition, Government of India launched Poshan Abhiyaan. 5+4+1
 - a) Briefly describe components of the programme.
 - b) What are the four pillars for implementation of the programme?
 - c) This programme is an excellent example of intersectoral coordination of various ministries. Enumerate the ministries involved in the programme.

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| 4. | It was reported from various countries that violence and conflicts increased among family members, during the lockdown period due to SARS-CoV-2.
a) What advices could be offered to the family members for coping with stress at home and actions to be taken if there are instances of violence during SARS-CoV-2 Lockdown?
b) What can be done at different levels and different agencies to address the problem of violence against women & children during SARS-CoV-2 pandemic? | 5+5 |
| 5. | a) Enumerate various models and approaches to health education.
b) Discuss how these models and approaches have been utilized during the current pandemic caused by SARS-CoV-2 for Information Education Communication (IEC) / Behaviour Change Communication (BCC). | 5+5 |
| 6. | a) What are the proximate determinants of fertility?
b) Define various fertility indicators and their current status in India.
c) Compare and contrast between Gross Reproduction Rate and Net Reproduction Rate. | 2+5+3 |
| 7. | a) Global Hunger Index.
b) Role and functions of Integrated Disease Surveillance Programme (IDSP) during the current pandemic of SARS-CoV-2 | 5+5 |
| 8. | a) Enumerate factors associated with high risk for drug abuse.
b) Discuss provisions, demand reduction measures, strengths and limitations of WHO framework convention on Tobacco Control. | 5+5 |
| 9. | a) Role of Mobile Information Technology in Public Health.
b) Nutritional Rehabilitation Centres. | 5+5 |
| 10. | a) Family welfare linked health insurance Scheme.
b) Current status and critical review of National Program for Prevention and Control of Deafness. | 5+5 |
