



All India Institute of Medical Sciences, Kalyani

Third Professional MBBS Supplementary Examination, April 2025

Time: 3 Hrs. Community Medicine & Family Medicine (Paper-I) Marks: 100

Instructions for Section-B & C:

- Answer all questions.
- Answer the questions in the same serial order strictly.
- Illustrate your answers with well labelled diagram wherever necessary.
- Answer each section in a separate answer book.

SECTION – B (40 MARKS)

Long Answer Questions:

[1×10=10]

1. An outbreak of measles has been identified in your locality. As a medical officer, what essential measures will you implement to investigate the outbreak of the disease? Discuss the utilization of digital technologies in the investigation of an outbreak. (5+5)

Short Answer Questions:

[6×5=30]

2. Compare growth monitoring and nutritional surveillance. (2.5+2.5)
3. What do you mean by "Carriers"? Classify different types of carriers with examples. (1+4)
4. Measures used to evaluate a screening test (name of the tests, formulae & 2*2 table) (2+2+1)
5. Difference between food fortification and food adulteration with examples
6. Describe the Ottawa Charter for Health Promotion and its significance.
7. Discuss the importance of micronutrients in public health nutrition.

SECTION – C (40 MARKS)

Long Answer Questions:

[1×10=10]

1. You are posted as the medical officer of a PHC in a flood prone area of Sunderbans. Following heavy rain fall, it was decided to shift families to the camps organized in the area. (2+5+3)
 - a. What are the issues related to provision of safe water and sanitation that you would anticipate in these camps?
 - b. What measures will you take to tackle those issues?
 - c. What are the medical relief operations you would organize in the area to mitigate the problem?

Short Answer Questions:

[6×5=30]

2. Social Stratification and effects of social class on health and utilization of health services
 3. Tools of measurement in Epidemiology
 4. What are causes of Adverse events following immunization (AEFI). Discuss the reporting mechanism once AEFI happens. (3+2)
 5. Health promotion strategy for tobacco cessation
 6. Expanded range of services in HWC
 7. Mention any four international health organizations and their roles.
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SECTION – B (40 MARKS)

Long Answer Questions:

[1×10=10]

1. Discuss the health care needs of the geriatric population in India. Highlight the key components of the National Programme for Health Care of the Elderly (NPHCE). (4+6)

Short Answer Questions:

[6×5=30]

2. Strategy for elimination of tuberculosis in India
3. Contact tracing in communicable diseases.
4. Define Acute flaccid paralysis (AFP) & mention its differential diagnosis. Enumerate and describe four parameters to monitor AFP surveillance in a community (2+3)
5. What is syndromic management of sexually transmitted diseases? Describe treatment protocol of vaginal discharge as per syndromic management. (2+3)
6. Describe the health care approach for people with disabilities.
7. Explain the impact of migration on health and the strategies to address migrant health issues.

SECTION – C (40 MARKS)

Long Answer Questions:

[1×10=10]

1. Discuss the role of environmental sanitation in controlling communicable diseases with emphasis on safe water supply and disposal of wastage. (5+5)

Short Answer Questions:

[6×5=30]

2. High risk strategy and Mass prevention strategy in primary prevention of Non-Communicable diseases.
 3. PMSMA and Extended PMSMA
 4. ARSH clinic
 5. Epidemiological factors of Rheumatic Heart Disease
 6. Write a note on the Integrated Disease Surveillance Programme (IDSP).
 7. Define Family Medicine. How does it differ from other specialties in terms of approach and scope?
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