

15/25

The West Bengal University of Health Sciences
MBBS 3rd Professional P-I Examination (New Regulation) June, 2025

Subject: Community Medicine

Full Marks: 100

Paper: I

Time: 3 hours

Attempt all questions. The figures in the margin indicate full marks.

1. a) What do you mean by Indicators of Health? Write down the different Disability rates with example. Describe the concept of Disability Limitation. 5+4+6

b) Many cases of fever with maculo-papular rash in under-five children are reported from a village in last 1 month. The rash is confluent in nature and often accompanied by coryza and conjunctivitis. How do you investigate the outbreak as BMOH of the block? Briefly describe the control measures. 8+7
2. Answer the following:
 - a) Differentiate between monitoring and surveillance. What is AFP surveillance? Mention the rationale and process of AFP surveillance in Poliomyelitis eradication in India. 3+2+5
 - b) What do you mean by Essential Hypertension? What is the prevalence in India? What are the risk factors for it? What preventive measures should you take to reduce prevalence and complications due to Hypertension? 2+2+2+4
 - c) Name the types of wastes generated in the hospital. Mention their disposal methods as per BMW management rules. What is waste tracking? 4+4+2
3. Write short notes on: 2x5
 - i) Communicating bad news to the relative of a patient.
 - ii) Bacteriological surveillance of drinking water.
4. Explain the following statements: 5x4
 - a) Local wound management is important in animal bite.
 - b) There are several kinds of statistical averages.
 - c) Primordial prevention is a subset of primary prevention.
 - d) Leprosy cannot be eradicated.
 - e) Case fatality rate is actually a ratio.
5. Choose the correct answer for each of the following: 10x1
 - i. Which of the following is used to present quantitative continuous data?
 - a) Bar chart
 - b) Histogram
 - c) Pie chart
 - d) Pictogram
 - ii. Diagnostic power of screening test is reflected by:
 - a) Sensitivity
 - b) Specificity
 - c) Yield
 - d) Predictive value

iii. NFHS-5 refers to the year:

- a) 2017-18 b) 2014-15 c) 2021-22 d) 2019-20

iv. National Deworming Day (NDD) is observed on:

- a) 10th October b) 24th March
c) 1st December d) 10th February

v. Epidemiology is the study of:

- a) Distribution of disease b) Disease frequency
c) Determinants of disease d) All of the above

vi. Which of the following disease is covered in the category of sentinel surveillance in IDSP?

- a) Cholera b) Typhoid c) HIV d) Blindness

vii. Vector of Scrub Typhus:

- a) Mite b) Tick c) Flea d) Louse

viii. Time period between first possible time of detection and usual time of diagnosis of a disease is known as :

- a) Incubation period b) Lead time
c) Isolation period d) Period of communicability

ix. Which of the following vaccines is not administered at birth?

- a) OPV b) BCG c) Hepatitis B d) Hib

x. Soiling index is used for:

- a) Water pollution b) Air pollution c) Radiation Hazard d) Noise pollution