

The West Bengal University of Health Sciences
MBBS 3rd Professional Part-I Examination, April - May 2022

Subject : Community Medicine
 Paper : I

Full Marks : 60
 Time : 2 ½ hours

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

1. Answer **any one** of the following:

- a) What is meant by natural history of disease? Describe the different stages with suitable illustration. Explain how the concept of prevention can be applied in relation to different stages. 2+5+5
- b) What is epidemiology? Write down the differences between case-control and cohort study. Enumerate different types of biases in analytical epidemiological studies. 2+6+4

2. Answer **any two** of the following:

- a) A 25 year old person presented in OPD of a primary health centre with cough and fever for one month, occasional blood streaked sputum and weight loss. Write down the diagnostic algorithm for the suspected disease as per the relevant national programme. Mention the treatment regimen for drug sensitive cases for adults according to the programme. 6+6
- b) Name 4 non-communicable diseases of public health importance in India. Describe risk factors and preventive measures of one of the mentioned non-communicable disease. 2+5+5
- c) Enumerate the sources of air pollution. Name any four air pollutants. Describe the effects of air pollution. How air pollution can be controlled? 2+2+3+5

3. Write short notes on (**any three**) of the following: 3 x 4

- a) Human development Index (HDI).
 b) Disaster cycle.
 c) Normal curve.
 d) Life style management to prevent Diabetes Mellitus.

4. Explain **any three** of the following: 3 x 4

- a) We need to be more careful about the hidden part of the iceberg.
 b) Radiation has its short term and long term side effects.
 c) 'Pulse polio programme' is still going on.
 d) 'Screening' and 'Case finding' are not synonymous.