

**The West Bengal University of Health Sciences**  
**MBBS 3rd Professional Part-I Examination, March, 2021**

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) Classify epidemiological studies. Explain the epidemiological features of cyclic trend and secular trend in disease occurrence with examples. What is confounding in epidemiological study? 4+6+2
- b) Mention the characteristics of safe and wholesome water. Classify water borne diseases. Briefly discuss the three methods for water purification at the household level. 2+4+6

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

- a) Risk factors of hypertension are multiple. Identify the modifiable risk factors for hypertension and briefly discuss the non pharmacologic components in management of hypertension. 4+8
- b) What are the different modes of transmission of Covid 19 infection? Who are high-risk groups? Discuss its prevention. 4+4+4
- c) What is 'disaster'? Outline the 'management' in relation to recent cyclone 'Amphan' in W.B. 3+9

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

- a) Integrated vector Management.
- b) Measures of dispersion.
- c) Importance of incubation period.
- d) Biochemical oxygen demand.

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

- a) Isolation and Quarantine are not synonymous - explain.
- b) Census is an important source of Health information - discuss.
- c) There are 4 types of colour coding bags as per Bio Medical Waste Management rule 2016, amended at 2018 - explain.
- d) Tuberculosis is an old disease but a new threat - Justify.