WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 4th Semester Examination, 2022

FNTACOR09T-FOOD AND NUTRITION (CC9)

EPIDEMIOLOGY AND PUBLIC HEALTH

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.

Answer any *four* questions from the following

10×4 = 40

1. What do you mean by inborn and acquired immunity? Write down the full form of DPT and BCG vaccine. What is cold chain? Discuss the immunization in adults and travellers.

(2+2)+2+4

2. Define health. Illustrate in brief the interrelation between health and nutrition. What is positive health?

3+5+2

3. Mention in brief the aims of epidemiology. What do you mean by secondary data? Write a short note on PHC.

3+2+5

4. What do you mean by rate and ratio? Write down the full form of ICMR and NFHS. Discuss in brief the epidemiological triad for causation of disease.

(2+2)+2+4

5. What is demographic cycle? Discuss the different phases of demographic cycle. What do you mean by IMR?

2+5+3

6. What do you mean by analytical epidemiology? Discuss case control and cohort study.

3+(4+3)

7. Discuss in brief the chemical method of purification of drinking water at household level. Name any two water-borne diseases. What is biological layer? How is it formed?

4+2+4

8. Explain the following terms:

2×5 = 10

   (a) Dynamics of disease transmission

   (b) BOD

1

    (c) Influent and effluent

    (d) Iceberg phenomena

    (e) Infection.

9.   Discuss in brief the multifactorial causation of disease. Write short note on modes of transmission of disease.   5+5

    N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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