

Undergraduate 6th Semester (Honours) Examination, 2020-21

Subject: NUTRITION

Course ID: 62312

Course Code: SH/NUT/602/C-14

Course Title: Epidemiology

Full Marks: 40

Time: 2 hrs.

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

Answer all the questions

UNIT I

1. Answer *any five* of the following questions: **2x5 = 10**

- a) Differentiate cross sectional study and longitudinal study.
- b) What is incidence rate?
- c) What is reservoir of disease?
- d) What is herd immunity?
- e) What do you mean by demographic cycle?
- f) Write two characteristics of pandemic disease. Give an example of pandemic disease.
- g) What is Randomized Controlled Trial?
- h) Write the clinical features of measles.

UNIT II

2. Answer *any four* of the following questions: **5x4 = 20**

- a) What is the causative agent of Japanese encephalitis? Write the clinical features of Japanese encephalitis. 1+4

- b) What is passive immunization? Write its disadvantages. What are the conditions that warrant for the use of passive immunization? 1+2+2
- c) What do you mean by case fatality rate? Discuss about ice-berg phenomenon of disease? 2+3
- d) What is ecological concept of health? Describe any two determinants of health. 1+(2+2)
- e) Write the specific uses of epidemiology. 5
- f) What is pulmonary tuberculosis? How is this disease transmitted? Write its control measures. 1+1+3

UNIT III

3. Answer *any one* of the following questions: 10x1 = 10

- a) Briefly describe the steps of descriptive epidemiology. Differentiate case control study and cohort study. What is 'Relative Risk'? 5+ 3+2
- b) Describe mode of transmission of dengue syndrome. Write clinical features of dengue haemorrhagic fever. Mention the warning signs of dengue haemorrhagic shock. 3+5+2