

TB245462B

Reg. No : .....

Name : .....

BACHELOR'S DEGREE (C.B.C.S.) EXAMINATION, FEBRUARY 2024  
2021 ADMISSIONS SUPPLEMENTARY (SAY)  
SEMESTER V - CORE COURSE (NUTRITION AND DIETETICS )  
ND5B12B20 - Nutritional Epidemiology

Time : 3 Hours

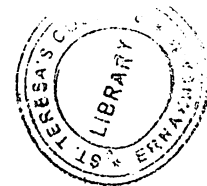
Maximum Marks : 80

**Part A**

**I. Answer any Ten questions. Each question carries 2 marks**

**(10x2=20)**

1. Define nutritional epidemiology.
2. Explain complexity of diet as a challenge in carrying out nutritional epidemiological studies.
3. Explain the difference between null hypothesis and alternate hypothesis.
4. What is the significance of selecting appropriate study designs in epidemiological research?
5. What is a cohort? Give example.
6. Describe RRR.
7. Compare infant mortality rate and maternal mortality rate.
8. Summarize BOND program along with 2 aims..
9. What is social desirability bias and how is it different from interviewer bias?
10. Explain validity of food frequency questionnaire.
11. Discuss diet variation.
12. Discuss the factors affecting sensitivity to dietary intake.



**Part B**

**II. Answer any Six questions. Each question carries 5 marks**

**(6x5=30)**

13. The investigations of pellagra are a classic example and they illustrate some of the strengths of epidemiology. Justify the statement.
14. Explain the epidemiological study carried out which later became highly relevant in case of recommendations for pregnant women.
15. Describe exposures and outcomes with three examples.
16. Explain ecological fallacy.
17. Discuss the significance of RCTs.
18. Illustrate BOND's classification of nutritional biomarkers with examples.
19. Explain measurement error in terms of reliability and validity.
20. Summarize dietary recall.
21. Explain the importance of nutritional epidemiology in public health practice.

**Part C**

**III. Answer any Two questions. Each question carries 15 marks**

**(2x15=30)**

22. Explain any five observational study designs with an example for each.
23. Review the current nutritional epidemiological studies.
24. Describe the considerations to improve biochemical indicator measures.
25. Summarize the prevalence and significance of type 2 diabetes in India.