

**2023**  
**SRCMUJ**  
**2<sup>nd</sup> Semester Examination**  
**M.Sc.**  
**Nutrition and Public Health**  
**NPH-204**  
**Epidemiology, Social science and Health**

**Full Marks: 40**

**Time: 2 Hours**

*The figures in the margin indicate full marks.*  
*Candidates are required to give their answers in their own words as far as practicable.*

**1. Answer any four from the following questions: 2x4**

- a. Write the basic concept of epidemiology.
- b. Write any two tools for measurement in epidemiology.
- c. Write about AR and RR.
- d. Define carcinoma and lymphoma.
- e. What do you mean by sensitivity and specificity.
- f. Write the major causes of dermatosis.

**2. Answer any four from the following questions: 8x4**

- a. Classify the screening test. Write the criteria of screening test. 5+3
- b. What do you mean by level of prevention? Discuss the mode of transmission of communicable diseases. 3+5
- c. What is health systems research? Write the characteristics of health systems research. Discuss the applications of social science research in relevant to health fields. 1+5+2
- d. Write the name of infections agents of malaria. Briefly discuss the transmission life cycle of any one malarial paracite in connection with disease. 5+3
- e. Write the epidemiological principle of cause and effect relationship. Write the changes in sensitivity and specificity of diagnostic test if the cut of value of the specific sensor is decreased. 5+3
- f. Write about the types of social organization. Write the epidemiology of diabetes mellitus. What are the principle and procedure of the test OGTT. 2+2+4