

OLLSCOIL NA hÉIREANN, GAILLIMH
NATIONAL UNIVERSITY OF IRELAND, GALWAY

SUMMER EXAMINATION 1999/2000

B.Sc. (Hons.) in Microbiology

Unit 8

Epidemiology

EXTERN EXAMINER: Professor C M Brown

INTERN EXAMINER: Internal Examiners

TIME ALLOWED: 1½ hours

(INDICATE CLEARLY THE QUESTIONS ANSWERED ON THE FIRST
PAGE OF YOUR ANSWER BOOK)

Please Answer **TWO** Questions

Q.1 Write short notes on **FOUR** of the following:

1. Environmental determinants of disease
2. Transmission of Infection
3. Kendall's Threshold Theorem
4. The uses of Epidemiology
5. Causal models of disease
6. Measurements of disease occurrence
7. Host determinants of disease

Q.2 Discuss the role of covert infections in the epizootiology of furunculosis.

Q.3 Describe how PCR based techniques can contribute to the epidemiological surveillance of bacteria. Include at least two techniques for comparison.

Q.4 Discuss how categorisation of micro-organisms is useful in detection and control of human infection.