

**OLLSCOIL NA hÉIREANN, GAILLIMH
NATIONAL UNIVERSITY OF IRELAND, GALWAY**

SUMMER EXAMINATION 1999/2000

B.Sc. (Hons.) in Microbiology

Unit 7

The Ecology of Bacterial Communities

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 ONE Questions

- Q.1** Write a critical discussion on the impact of molecular methods on the study of bacterial communities using appropriate examples to support your arguments.
- Q.2** Discuss the significance of bacterial biofilms and the methods used to investigate the microbial composition, physical structure and metabolic functions of these communities.