

OLLSCOIL NA hÉIREANN, GAILLIMH
NATIONAL UNIVERSITY OF IRELAND, GALWAY

SUMMER EXAMINATION 1999/2000

B.Sc. (Hons.) in Microbiology

Unit 2

Growth

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)

Write essays on **TWO** of the following subjects: -

1. Continuous cultures and microbial ecology
2. The extent to which growth rate and its control influence the physiology and composition of microbial cells.
3. Continuous culture systems other than simple chemostats and their experimental uses.
4. Selection, change and population structure in long-term chemostat cultures.