

Ollscoil na hEireann Gaillimh
National University of Ireland, Galway
Semester 1 Examinations, 2000/2001

Second University Examination in Arts
Geography

TI 216 Weather and Climate

Unit Value 5
Professor R. A. Dodgshon
Professor M.O Cinneide
Dr.M. Cawley

Time Allowed: 3 hours

Answer two questions from each section, four questions in total.

Section A

1. Classify airmasses and outline and explain the principal thermodynamical modifications that take place in maritime tropical and maritime polar airmasses en route to Ireland.
2. Compare and contrast mid-latitude cyclones and tropical cyclones.
3. Give an illustrated explanatory account of anticyclones.
4. Examine the significance of meteorology to aviation.

Section B

5. Examine the principal controls of climate with specific reference to Western Europe and North America.
6. Write an explanatory essay on Monsoon climates.
7. Write an explanatory account of urban climates.
8. Discuss the scope and value of applied climatology in the field of agriculture or horticulture.