

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway

Summer Examinations, 2004/2005

Exam Code(s)	2BA1,
Exam(s)	2 nd Arts
Module Code	TI216
Module	Weather and Climate
External Examiner(s)	Professor M. Dunford
Internal Examiner(s)	Professor U. Strohmayer
	Professor M. Ó Cinnéide
	Dr. Marie Mahon
<u>Instructions:</u>	Answer <u>two</u> questions from each section, <u>four</u> questions in total. All questions carry equal marks
Duration	3hrs
No. of Answer books	1
No. of Pages	2
Department	Geography

Section A

1. Give an illustrated explanatory account of the principal thermodynamic modifications that mT and mP air masses undergo as they move from their places of origin toward Ireland, and outline the resultant weather conditions typically associated with each of them.
2. Give an illustrated account of the genesis and structure of mid-latitude cyclones and show how they contrast with tropical cyclones.
3. Outline the principal features and genesis of the two main types of anticyclones and provide an explanatory account of the weather conditions typically associated with them.
4. Examine critically the contribution of meteorology to the transport industry.

Section B

5. Outline and critically evaluate any major classification of climates.

6. Outline and illustrate the characteristic features of **one** of the following climates: (a) Mediterranean; (b) Desert; (c) Tropical Monsoon, and briefly describe the controlling conditions that sustain that climatic regime.
7. Give a concise account of the principal differences between the climates of cities and the climates of their rural hinterlands and explain these differences.
8. Discuss the interrelationships between climate, clothing and comfort.