

Ollscoil na hÉireann
NATIONAL UNIVERSITY OF IRELAND

DR H H STEWART MEDICAL SCHOLARSHIP EXAMINATION, 1998

PHARMACOLOGY

Professor J Westwick

Wednesday, 27 May 1998

2.30 - 5.30

Answer **four** questions

1. Describe the pharmacology and clinical uses of two of the following:
 - (i) resperidone
 - (ii) gabapentin
 - (iii) zopiclone
2. Discuss the pharmacology of endothelins.
3. Outline the classification of adreno receptors, give examples of selective agonists and antagonists of these receptors. Describe the clinical or potential clinical uses of two of the above examples.
4. Describe the present treatment of HIV, what are the recent breakthroughs in HIV T-cell interaction, and what are the therapeutic implications?
5. Describe the actions of interleukin 1 and tumour necrosis factor which facilitate neutrophil accumulation at the sites of inflammation.
6. How would you reduce secondary myocardial infarction? Are you aware of any recent advances that may lead to the development of novel therapies?