

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway
Semester II Examinations 2004 / 2005

Exam Code(s)	1EE1, 1EP1
Exam(s)	M.Econ.Sc. (Economic Policy Evaluation & Planning) M.A. (Economic Policy Evaluation & Planning)
Module Code(s)	EC537
Module(s)	Economics of Innovation
Paper No.	1
Repeat Paper	
External Examiner(s)	Professor Vincent Munley
Internal Examiner(s)	Mr. Brendan Kennelly Dr. Aidan Kane

Instructions:

Please answer **TWO** of the following questions, with the proviso that you may not answer both question 1 (on the research project/literature survey) and another question closely related to the topic of the research project.

Duration	2.5 hours
No. of Pages	2 (including cover sheet)
Department(s)	ECONOMICS
Course Co-ordinator(s)	Dr. Aidan Kane

Requirements:

MCQ
 Handout
 Statistical Tables
 Graph Paper
 Log Graph Paper
 Other Material

Summer Examinations 2004/2005

EC537 Economics of Innovation

M.A./M.Econ.Sc. (Economic Policy, Evaluation & Planning)

Prof. V Munley
Mr. Brendan Kennelly
Dr A. Kane

Time Allowed: 2.5 HOURS.

Please answer **TWO** of the following questions, with the proviso that you may not answer both question 1 (on the research project/literature survey) and another question closely related to the topic of the research project.

1. Outline the motivation and scope of the topic chosen for your research project in this course, indicate the nature of the sources used, and summarise the key ideas involved in it. Comment, where relevant, on the implications of your work for the conduct of Science, Technology and Innovation (STI) policy and/or our understanding of some aspect of the innovation process.
2. Describe how the choice of particular indicators/evaluation techniques can be related to a range of factors including the intended audience and the aspect of the innovation system being looked at, as well as the underlying model of the innovation system they embody.
3. Explain some of the principal issues which arise in the application and interpretation of measures of productivity, and productivity growth relating this where possible to the overall concept of innovation itself.
4. Explain the principal mechanisms through which the science system, and in particular, scientific labour markets, are thought to provide appropriate incentives for the production of public goods i.e. knowledge.
5. Explain some key aspects of the principal models of the economics of the diffusion of technology. Comment on the applicability or otherwise of some aspects of these models to a particular technology, such the diffusion of ICTs/consumer electronics.