

GX 2609

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway

Semester II Examinations, 2002/2003

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| Exam Code(s) | 2BA7 & 2BA1 |
| Exam(s) | Second Year Psychology and Second Year Psychological Studies |
| Module Code(s) | PS403 |
| Module | Biological Psychology |
| Paper No. | |
| Repeat Paper | Special Paper |
| External Examiner(s) | Professor Ray Fuller |
| Internal Examiner(s) | Professor Jack James |
| | Dr. Michael Hogan |
| | Ms. Niamh Flynn |

Instructions:

Candidates are required to answer **two** of the following questions

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|---------------------|-------|
| Duration | 2 hrs |
| No. of Answer Books | 1 |

Requirements:

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| Handout | |
| MCQ | |
| Statistical Tables | |
| Graph Paper | |
| Log Graph Paper | |
| Other Material | |

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|---------------|------------|
| No. of Pages | 1 |
| Department(s) | Psychology |

Ollscoil na hÉireann, Gaillimh

NATIONAL UNIVERSITY OF IRELAND, GALWAY

Second Arts and Visiting Students, Second Semester Examination, 2003/2004

Psychology

PS403 Biological Psychology

Professor Ray Fuller
Professor Jack James
Dr. Michael Hogan
Dr. Brian Hughes
Dr. Geraldine Leader
Ms. Niamh Flynn

Time allowed: Two hours

Please answer **two** questions

1. Discuss the contribution of functional brain imaging research to our understanding of human psychology.
2. While focusing on either the immune system or the cardiovascular system, consider the biological plausibility of claims that psychological stress contributes directly to physical illness. Support your answer with reference to empirical research.
3. Discuss the contribution biological psychology has made to our understanding of autism.
4. Drawing upon empirical evidence, outline the neural and biochemical mechanisms implicated in the control of sleep and waking (circadian influences need only be considered in brief).
5. Discuss the evidence regarding theories of the function of sleep, with particular emphasis on findings that have emerged from sleep deprivation studies.