

National University of Ireland, Galway  
Óllscoil na hÉireann, Gaillimh  
**Fourth Science Anatomy: December 2001**  
**Paper III – Physical Anthropology**

**Dr. S. McDonald**  
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Time allowed: **Two** hours  
Answer **three** questions

**Section A**

Answer question 1 and question 2

1. Give a brief account of the major features of the evolution of the vertebrate forelimb from the jawless fishes to man.
2. **EITHER**  
Write an essay on vertebrate evolution  
**OR**  
Describe the basic body plan of the Phylum Chordata. What are the characteristics which distinguish the members of the phylum (the 'Chordate characteristics')?

**Section B**

Answer question 1 AND question 2

1. Write an essay on early humans. Include your definition of 'human'.
2. **EITHER**  
Discuss the features of the extant primates. How do they differ anatomically from modern Homo Sapiens?  
**OR**  
Write an essay on the Neandertals.