

Ollscoil na hÉireann, Gaillimh
NATIONAL UNIVERSITY OF IRELAND, GALWAY
B.Sc. General/Third Science & Third Biomedical Science
Autumn Examinations, 2002
Dr. S. McDonald
Dr. B. Wilkins
Anatomy AN309
Developmental Biology

Time allowed: TWO hours

Answer QUESTION 1 (40 marks) and THREE others (20 marks each).

1. Write an essay on fertilization.
2. Outline the key developmental events during gastrulation.
3. Compare and contrast meiosis and mitosis.
4. Write an essay on the development of the placenta.
5. Discuss any three generalized processes that occur during development citing specific examples of the importance of each.
6. Give an account of the development of the heart.
7. Write notes on:
 - a. notochord
 - b. neurulation