

NATIONAL UNIVERSITY OF IRELAND, GALWAY
Ollscoil na hÉireann, Gaillimh

Summer Examinations, 2000
M.Med.Sc.

Anatomy

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Time Allowed 3 hours

Attempt **four** questions

1. Discuss the structure of the knee joint with reference to the mechanisms of flexion and extension of the leg.
2. Patients with heart attacks often complain of pain across the chest, which radiates into the arms and may spread up towards the mandible. Give an account of the innervation of the heart and chest wall which would be helpful in understanding these signs and symptoms.
3. Compare and contrast the anatomy of the ovary and the testis.
4. Write an essay on the paranasal air sinuses.
5. Describe the temporo-mandibular joint and the sequence of muscle actions and movements involved in opening the mouth.
6. Write a detailed description of the pelvic diaphragm and its relationship to the perineum. The inherent weakness of the diaphragm renders it unable to bear the burden of the external genital apparatus. How is the problem overcome?