

Ollscoil na hÉireann, Gaillimh
National University of Ireland, Galway

Summer Examination 2005
Fourth Medical, Part 1 – 4MB2
Pathology – PA402

Answer 5 questions including one from each section
USE SEPARATE ANSWER BOOKS FOR EACH QUESTION
 Time allowed: 3 hours

SECTION A

Dr. Mary Sheppard

1. Describe the autopsy findings in a patient dying of bacterial endocarditis.
2. Describe the histological findings of myocardial infarction. What are the complications of myocardial infarction?

SECTION B

Professor Grace Callagy
 Professor Charles Connolly
 Dr. G Mortimer
 Dr. Fadel Bennani

3. Write notes on two of the following:
 - (a) the molecular basis of cancer
 - (b) the morphological and behavioural differences between benign and malignant tumours
 - (c) prognostic indicators in cancer
4. Discuss the mechanisms underlying thrombosis and its consequences. Refer in your answer to both arterial and venous thrombosis.
5. Write a notes on the following:
 - (a) the difference between a granuloma and granulation tissue
 - (b) the difference between extradural haematoma and subdural hematoma
 - (c) the difference between a carcinoma and a lymphoma
 Illustrate your answers with examples you know.
6. Give an account of the pathology associated with *Helicobacter pylori* infection.

SECTION C

Professor Ernest Egan
 Dr. Margaret Murray
 Dr. Michael O'Dwyer

7. Write an essay on iron deficiency anaemia with particular reference to aetiology, manifestations and diagnosis.
- OR**
8. Discuss chronic lymphocytic leukaemia from the standpoint of the origin of the malignant cell, the manifestations, complications and diagnosis of the disease.