

OLSCOIL NA hEIREANN
THE NATIONAL UNIVERSITY OF IRELAND

NATIONAL UNIVERSITY OF IRELAND, GALWAY

SUMMER EXAMINATION 2004
M.B., BCh, B.A.O. WRITTEN

MEDICINE

PAPER 2

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Time allowed : 3 hours

EACH QUESTION (A,B,C,D,E & F) MUST BE ANSWERED ON A SEPARATE ANSWER BOOK

Section A

Write brief notes on the following :

- (a) Folic acid deficiency.
- (b) Diagnosis and treatment of haemochromatosis
- (c) Diagnosis, treatment and complications of Helicobacter Pylori

Section B

A 23 year old male, non smoker, attends his GP in Galway with painful red lumps on his shins. He has felt "fluish" for 10 days with dry cough and breathlessness on stair climbing. Apart from painful red and swollen shins no clinical abnormality is found.

The GP sends the patient for a chest Xray and does some blood tests

What did the chest X ray show?

What abnormalities were found in the blood work?

The GP now refers the patient to the Respiratory clinic for further investigations

List the 3 most likely diagnoses

What tests are performed and why?

Which test is most likely to be diagnostic?

What treatment will be recommended and why?

Section C

Write notes on both of the following :

- (a) Bacterial skin infections – their aetiology, appearance, diagnosis, treatment and complications.
- (b) The types, aetiology, appearance and treatment of eczema (dermatitis).

Section D

Write brief notes on the following :

- (a) Classification of acute renal failure.
- (b) Appropriate investigation of acute renal failure.
- (c) Management issues in acute tubular necrosis (ATN).

Section E

Write notes on the following :

- (a) Raynaud's phenomenon.
- (b) Tophi.
- (c) Dactylitis.

Section F

Write brief notes on the following, emphasizing the most likely diagnosis, appropriate investigations and management strategies :

- (a) A 16 year old schoolgirl has a two year history of recurrent throbbing headache and nausea without visual disturbance; she misses at least one day of school per month. Her mother, who has migraine is worried about a brain tumour.
- (b) A 36 year old man presents to A&E with a history of sudden onset explosive headache during sexual intercourse. The headache lasted ½ hour and at the time of evaluation he has no symptoms.
- (c) A 23 year old primigravida develops new-onset occipital headache and "flashes" in her vision at 36 weeks gestation. She is found to be mildly hypertensive.