



May Exam: 5/06/2014

Time allowed: 3 Hours

Fayoum University

Faculty of medicine

Final M.B.B.Ch. Examination

Internal Medicine (paper 11)

All questions are to be attempted (150 marks)

1- A female -25 -year old presented with fever of one month duration with generalized myalgia, pain and swellings in the small joints of both hands and feet, and easy fatigability. On exam: there was pallor, an erythematous malar rash, areas of non-scarring alopecia, multiple ulcers in the mouth. CBC revealed HB 5.5 gm/dl.

- a) Give five causes of polyarthritis (5 marks)
- b) What is your most probable diagnosis? (2 marks)
- c) How would you confirm your diagnosis by specific investigations? (5 marks)
- d) Can you mention three possible causes of anemia in this case and how to prove each one? (8 marks)
- e) Enumerate 4 other causes of mouth ulcers (4 marks)
- f) How would you manage this patient? (6 marks)

2- A 14-year-old boy presented with morning puffiness of eyelids and lower limbs edema associated with abdominal and scrotal swelling. On exam: BI P 120/75 mmHg, Pulse: 85 beats/min, regular, temp:37.1 C. Neck veins were not congested, LLs edema up to mid thigh, moderate ascites and scrotal edema. Lab. results S. creatinine 0.8 mg/dl, S. urea 22 mg/dl, S. albumin 2.2 gm/dl, S. potassium 3.2 mEq/L, S. sodium 127 mEq/L. urine analysis: albumin +++++, RBC 2-4/HPF, 24 hours urine protein excretion was 4.5 gm/day.

- a) Enumerate four causes of generalized anasarca (4 marks)
- b) Can you mention four causes of hypoalbuminemia? (4 marks)
- c) What is your diagnosis in the above case? Justify (4 marks)
- d) What is the most likely pathologic diagnosis in our patient? (3 marks)
- e) How would you manage this boy? (5 marks)
- f) What are the complications of this disease? (5 marks)

3- A 16-year-old boy is complaining of diarrhea for 5 years. He passes 4-6 large volume stools daily, which are frothy, greasy and foul smelling with undigested food materials. The stools showed no visible blood, mucus or blood. He complained of postprandial bloating of the abdomen, generalized weakness and easy fatigability. He has no abdominal pain, fever or joints pains. His parents mention that he is not growing well. On exam: he was underbuilt with stunted growth, no secondary sexual characters. He was pale with angular cheilitis and stomatitis.

- a) Enumerate sex causes of chronic diarrhoea (6 marks)
- b) What is your diagnosis in the above case? Justify (4 marks)
- c) How would you explain angular cheilitis and stomatitis? (3 marks)
- d) What are the investigations will you request to confirm your diagnosis? (7 marks)

e) Give short account on: (10 marks)

-Coeliac disease

-tropical sprue

4- A 32-year-old male went for a pre-employment assessment. He had past history of blood transfusion once 10 years ago after a car accident. Examin. revealed no clinically detectable abnormalities. Lab. results revealed ALT 124 U/L (n: up to 40), AST 100 U/L (n: up to 40), total bilirubin 1 mg/dl, anti-HCV was positive.

- a) Mention five causes of chronic hepatitis? (5 marks)
- b) What are further investigations would you recommend and why ?. (7 marks)
- c) How would you treat this condition and what is the duration of treatment? (8 marks)
- d) What are the extra-hepatic manifestations of chronic HCV infection? (5 marks)

5- Enumerate 4 causes for each: (20 marks)

a) mono-arthritis

b) hematochezia

c) acute abdomen

d) Precipitating factors for hepatic encephalopathy

e) dysphagia

6- Discuss the complications of: (20 marks)

a) chronic renal failure

b) acute pancreatitis

Good luck

