



May Exam. 24/5/2015

Time allowed: 3 Hours

Fayoum University

Faculty of medicine



Final M.B.B.Ch. Examination

Internal Medicine (paper 1)

All questions are to be attempted (150 marks)

1- A 22- year- old male presented to the hospital with severe dyspnoea, dull aching chest pain associated with night sweats, night fever and anorexia. On examin. he was sitting-up in bed and leaning forwards, BI P 95/60 mmHg Temp. 38 °C Edema of both LLs Abdomen: ascites, enlarged tender liver and splenomegaly. Cardiac examin. weak apex, dullness outside the apex and very weak distant heart sounds.

- What is the most probable diagnosis? (2 marks)
- How would you confirm your diagnosis by 4 most important investigations? (8 marks)
- What is your comment on the patient's decubitus? (2 marks)
- Enumerate three important causes of enlarged tender liver (3 marks)
- Mention five causes of this disease (5 marks)

f) What do you expect to find on examin. of the pulse? (2 marks) Enumerate other diseases with the same pulse character (3 marks).

2- A 39-year-old female presented with a 4-h- history of dyspnea and severe Rt sided chest pain that worse on deep breathing. She was on 12-h- bus ride two days ago. She does not have any known medical disease and her only medications are oral contraceptive pills. On examin. BI P 140/85 mmHg, pulse 120/min regular, R.R 32 /min. Her right calf was swollen and tender. Heart and lungs examination was within normal, but ABG shows PH 7.45, P PCO2 30 mmHg, PO2 80 mmHg.

- Enumerate four causes of acute dyspnoea (4 marks)
- Can you give three causes for pain arising in the respiratory system? (3 marks)
- In the above patient, what is your diagnosis? (2 marks)
- In your opinion, what are the two precipitating factors for this in our patient? (2 marks)
- What four further investigations will help your diagnosis? (4 marks)

f) Give five important steps in the treatment of this patient (5 marks) and what is your advice to prevent recurrent attacks? (2 marks)

- What is meant by fat embolism and its cause? (3 marks)

3- A 45-year-old male complained that over 5-y- he noticed changes in size of his ring and shoes. Later, he developed coarse facial features, excessive sweating, headache and visual affection. His appetite remained unchanged but he gained weight over the past 8 ws. On examin. BI P 170/100 mmHg, Pulse 80/min. regular, his lower jaw appeared to be protruding. Facial features were rather coarse with prominent lips, nose and ears. Visual field showed bitemporal hemianopia, blood sugar was high.

- a) Give three diseases associated with weight gain ( 3 marks), also, three conditions associated with excessive sweating ( 3 marks)
- b) In the above patient, what is your diagnosis? ( 2 marks)
- c) What three further investigations will you request? (3 marks)
- d) What is the explanation for the visual field defect? ( 2 marks)
- e) How would you treat this patient? ( 5 marks)
- f) Enumerate five causes for hyperprolactinemia (5 marks)
- g) What is meant by gigantism? ( 2 marks).

4- A 36-year-old man presented with a 3-day history of mucoid, bloody diarrhea. The diarrhea occurred approximately ten times/day associated with cramping peri-umbilical discomfort and tenesmus. No recent use of antibiotics. On exam. BL P 100/60 mmHg, pulse 98/min. regular, dry oral mucous membranes

- a) What is meant by tenesmus? ( 2 marks)
- b) Give four causes for dysentery ( 4 marks)
- c) In the above case, what is the most likely diagnosis ( 2 marks)
- d) How would you confirm the diagnosis? (2 marks)
- e) Enumerate four complications of this disease ( 4 marks)
- f) How would you treat such patient? (2 marks)
- g) In your opinion, what is the significance of no recent use of antibiotic? ( 2 marks) .

5- Enumerate 4 causes for each: (16 marks)

- a) Addison's disease    b) Hypercalcaemia    c) Palpitation    d) bronchiectasis

6- What are the complications of the following: ( 16 marks)

- a) Hypertension ( cerebral )    b) Diabetes mellitus    c) Mumps    d) Schistosoma hematobium.

7- Give short account on: (10 marks)

- a) Hirsutism    b) Non-metastatic extrapulmonary complications of bronchial carcinoma.

8- Comment on fever of unknown origin (definition, causes, investigations, treatment (15 marks).

**Good Luck,**