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UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES (2) –DEC 2010
MEDICINE Paper II

Date: 06.12.2010.

Time: 03 hours

ANSWER ALL THE TEN QUESTIONS

Answer each **QUESTION** in separate answer book

1. **A 38 year old female has presented with chronic cough with copious amount of sputum for the past 4 years. She was in need of consulting a doctor for worsening of cough and fever 5 times during the past 12 months.**
On initial examination she had clubbing of fingers and there were bilateral coarse crepitations. This was the first admission to the hospital.
 - 1.1. How will you investigate this patient? (50 Marks)
 - 1.2. Outline briefly the treatment of this patient. (50 Marks)

2. **A 15 year old boy has presented with progressive weakness of both lower limbs of one week duration.**
On examination he had Grade 4 weakness of both lower limbs with absent reflexes.
 - 2.1. What is the most probable clinical diagnosis? (20 Marks)
 - 2.2. List 3 differential diagnoses. (30 Marks)
 - 2.3. List the investigations you would do. (20 Marks)
 - 2.4. Brief out the treatment of this patient. (30 Marks)

3. **A 48 year old patient with chronic alcoholic liver cell disease was admitted with haematemesis.**
 - 3.1. List 4 possible causes for haematemesis in this patient. (20 Marks)
 - 3.2. List 6 steps in the initial management of this patient. (30 Marks)
 - 3.3. How will you prevent further episodes of haematemesis? (50 Marks)

4.
 - 4.1. Define Chronic Kidney Disease (CKD). (20 Marks)
 - 4.2. Outline the investigations useful in the management. (40 Marks)
 - 4.3. Describe the management of hypertension in CKD. (40 Marks)

5.
 - 5.1. Name 3 diabetic emergencies. (30 Marks)
 - 5.2. How will you classify diabetic retinopathy? (20 Marks)
 - 5.3. What are the components of diabetic neuropathy? (25 Marks)
 - 5.4. How will you treat diabetic neuropathy? (25 Marks)

6. 6.1. Give 5 causes of hypothyroidism. (20 Marks)
- 6.2. How will you diagnose primary hypothyroidism? (40 Marks)
- 6.3. Outline the management of hypothyroidism. (40 Marks)
7. **A 35 year old canteen salesman presented with a 12 day history of insidious onset fever, dull head ache and loss of appetite. For the last 5 days he had been passing loose stools. On examination he had diffuse tenderness over the abdomen, hepatomegaly and a soft splenomegaly.**
- 7.1. What is the probable diagnosis? (20 Marks)
- 7.2. Name 3 complications he may develop during the course of the illness. (30 Marks)
- 7.3. Name 5 investigations to support your diagnosis. (20 Marks)
- 7.4. Outline the management of this patient. (30 Marks)
8. **A 30 year old female was admitted with a history of shortness of breath and palpitations of 2 months duration. On examination she was tachypnoeic, had irregular pulse of 120 per minute. Auscultation revealed a murmur and bilateral fine basal crepitations.**
- 8.1. List the problems in this patient. (15 Marks)
- 8.2. List 5 investigations that should be done immediately giving reasons. (30 Marks)
- 8.3. The echo cardiogram showed mitral stenosis.
What is the immediate management of this patient? (30 Marks)
- 8.4. What is the future management? (25 Marks)
9. **A 28 year old female who has been in the camp for displaced persons was admitted with a history of tiredness. On examination she was found to be very pale.**
- 9.1. What questions will you ask the patient to find the cause for the anaemia? (30 Marks)
- 9.2. What are the possible abnormalities that may be found on examination that will help you to find the cause? (20 Marks)
- 9.3. List the investigations giving reasons that will help you to find the cause. (30 Marks)
- 9.4. Outline the treatment of this patient. (20 Marks)
10. **A 35 year old male with a long history of Schizophrenia presents with acute symptoms as a result of poor drug compliance. He is unemployed, married for 3 years and not having children.**
- 10.1. What are the common causes of poor drug compliance in patients with schizophrenia? (20 Marks)
- 10.2. Briefly outline the pharmacological management of this patient? (50 Marks)
- 10.3. How could we improve his drug compliance in the future? (30 Marks)