

UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES - AUGUST 2011
MEDICINE PAPER II

Date: 01.8.2011

TIME: 3 Hours
1.30 PM – 4.30 PM

ANSWER ALL 10 QUESTIONS.
ANSWER EACH QUESTION IN A SEPARATE BOOK.

- 01 A 25 year old female was admitted with a complaint of progressively increasing shortness of breath of six months duration. On examination she had a pulse rate of 180 per minute and it was irregularly irregular. Examination of the respiratory system showed fine basal crepitations and in the cardiovascular system a murmur was heard but the timing was difficult.
- 1.1 List the problems that you can identify in this patient. (10 marks)
1.2 Describe the other physical signs you would look for in this patient (40 marks)
1.3 Describe the immediate management of this patient (40 marks)
1.4 What is the long term management? (10 marks)
- 02 A 50 year old diabetic patient presented with swelling of his feet of two weeks duration.
- 2.1 List 2 causes for the swelling of feet in this patient. (10 marks)
2.2 What are the findings in the history and examination which will help you to find the cause? (40 marks)
2.3 List the investigations that should be done to find the cause. Give reasons (20 marks)
2.4 Outline the management of one of the conditions mentioned in 2.1 (30 marks)
- 03 A 20 year old boy presented to Emergency Unit with progressive weakness of both lower limbs over 2 weeks duration. On examination he was found to have exaggerated reflexes of both lower limbs.
- 3.1 How will you evaluate him in the history to find the cause? (30 marks)
3.2 How will you evaluate in the examination to find the site of lesion? (30 marks)
3.3 Write the investigations you will arrange. (30 marks)
3.4 Write 4 common complications of the above problem. (10 marks)
04. A 50 year old smoker 60 pack per year was admitted with history of shortness of breath over past 2 days. He gave a history of poor effort tolerance for the past 2 years
- 4.1 What are the possible reasons for his 2 days history of shortness of breath? (10 marks)
4.2 Write 2 possible reasons for his 2 years effort intolerance (10 marks)
4.3 How will you investigate him to arrive at a diagnosis? (40 marks)
4.4 How will you treat his most possible cause of effort intolerance? (40 marks)

- 05 A previously healthy 30 year old female presented with a history of generalized body swelling of two weeks duration. BP was 110/80 mm Hg. Urine full report reveals: Albumin +++++, RBC – Nil, Pus cells 1-2 / hpf, serum creatinine 0.8 mg/dl
- 5.1 What is the working diagnosis of this clinical condition? (10 marks)
- 5.2 List 4 causes of above condition. (20 marks)
- 5.3 List 6 useful investigations with reasons. (20 marks)
- 5.4 What are the complications of the above condition? (15 marks)
- 5.5 Outline the management of this patient (35 marks)
- 06 A 56 year old diagnosed patient with seropositive rheumatoid arthritis on regular medications presented with a history of progressive shortness of breath over last 3 months period. On examination, she is pale and she has bilateral and inspiratory fine crackles over the lung bases. The available investigations are; Hb – 8.0 g/dl, 2D ECHO – Normal
- 6.1 List the medical problems in this patient. (15 marks)
- 6.2 List two reasons for her shortness of breath. (15 marks)
- 6.3 What changes you will expect if you do the following tests:
i. CXR – PA ; ii. HRCT – Thorax ;
iii. Lung function test ; iv. 6 minute walk test (30 marks)
- 6.4 What are the causes for anaemia in this lady? (20 marks)
- 6.5 List the neurological complications of rheumatoid arthritis. (20 marks)
07. A 40 year old farmer presented to the medical ward with a history of fever of 4 days, body aches and malaise. On examination he was febrile and had cervical lymphadenopathy and a hepatomegaly of 2 finger breath.
- 7.1 List 3 possible differential diagnosis? (15 marks)
- 7.2 What specific symptoms and signs will you look for to support each of the diagnosis? (45 marks)
- 7.3 What are the initial investigations you will order? Give reasons. (30 marks)
- 7.4 Describe the drug treatment of one of the conditions you mentioned above. (10 marks)
08. A 46 year old housewife presented to the medical ward with progressive tiredness, palpitation and faintishness of three months duration. On examination she was very pale.
- 8.1 What information you will inquire in the history to find the aetiology of her pallor? (30 marks)
- 8.2 What are the signs you will look for to identify the cause? (20 marks)
- 8.3 List down the essential investigations to determine the cause. Giving reasons. (30 marks)
- 8.4 Briefly discuss the treatment of this patient. (20 marks)

09. A 35 year old businessman admitted to the medical ward with malaise, anorexia and right hypochondrial pain of 1 week duration. On examination he was jaundiced.
- 9.1 List possible differential diagnosis. (20 marks)
- 9.2 What salient points in the history to be elicited to arise at a diagnosis? (30 marks)
- 9.3 What investigations you will request to arrive at a diagnosis. Give reasons. (30 marks)
- 9.4 What precautions to be taken before doing a liver biopsy on this patient. (20 marks)
- 10.
- 10.1 What are the “first rank symptoms” of schizophrenia? (20 marks)
- 10.2 How will you manage delirium tremens in the medical ward? (30 marks)
- 10.3.1 Describe the drug treatment of depression giving examples to each class of drugs. (30 marks)
- 10.3.2 Discuss the advantages and disadvantages of each group (20 marks)