

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

Date: 04.04.2011

TIME: 3 HOURS

**ANSWER EACH QUESTION IN SEPARATE ANSWER BOOK.
ANSWER ALL TEN QUESTIONS**

- 01 A 24 year old boy has presented to the ward with sudden onset of weakness of left upper limb and lower limb of 6 hours duration.
- 1.1 What are the examination findings that will help you to find the aetiology of this presentation? Give reasons. (30 marks)
- 1.2 Brief out the plan of investigation. (30 marks)
- 1.3 Outline the treatment of this patient. (40 marks)
- 02 A 50 year old school principal is being discharged from hospital after an uncomplicated myocardial infarction.
- 2.1 What data should be entered in his diagnosis card? (20 marks)
- 2.2 What is the dietary advice you would give him on his discharge? (30 marks)
- 2.3 Enumerate the drugs with usual dosage you would give him on discharge. (20 marks)
- 2.4 His son who has come from the U.K to see him wishes to know about the prognosis and prospects of further treatment. What will you tell him? (30 marks)
- 03 A previously healthy 35 year old female patient presented with history of fever, left sided pleuritic pain of two weeks and difficulty in breathing for 2 days. She had history of loss of weight & appetite for two months. On initial examination she had dullness on left mid and lower zone with reduced breath sounds.
- 3.1 What is the clinical diagnosis? (10 marks)
- 3.2 What is the most probable cause? (10 marks)
- 3.3 Write 2 other causes. (10 marks)
- 3.4 How will you investigate this patient? (30 marks)
- 3.5 Brief out the treatment for the diagnosis you have mentioned in 3.2. (40 marks)

04. A 35 year old unmarried lady recently returned from a middle east country presented to a medical ward with malaise, low grade fever and loss of appetite of one month duration. On examination she was found to have icterus.
- 4.1. What are the possible differential diagnoses you would like to consider in this lady? (20 marks)
- 4.2. What are the salient points you will ask from this lady in order to establish the diagnosis? Give reasons. (20 marks)
- 4.3. What are the signs you will elicit in this lady? Give reasons. (20 marks)
- 4.4. What are the investigations you will arrange? Give reasons. (20 marks)
- 4.5. Outline the management steps. (20 marks)
05. A 24 year old Post partum lady, after home delivery 24 hours before, was admitted to Emergency department with decrease urine output for 12 hours duration. On examination she was markedly pale, dehydrated, with a thready pulse of 110 per minute and BP of 90/60 mm Hg. Abdomen was soft and uterus palpable.
- 5.1. What are the clinical problems? (20 marks)
- 5.2. List the investigations that will be useful for the diagnosis and management. (30 marks)
- 5.3. Outline the management of this patient. (50 marks)
- 06.
- 6.1. What are the different causes of hyperthyroidism? (15 marks)
- 6.2. What are the different ways of management of hyperthyroidism? (15 marks)
- 6.3. Mention the advantages and disadvantages of each modality of treatment. (40 marks)
- 6.4. Enumerate the investigations that should be done in a case of suspected of Cushing's syndrome? Give reasons. (30 marks)
- 07.
- 7.1. What are the causes of type II Diabetes mellitus? (30 marks)
- 7.2. Outline the management of diabetic Nephropathy (30 marks)
- 7.3. List other complications of Diabetes mellitus (40 marks)

08. A previously healthy 32 year old lady noticed fever and painful joint swellings involving the fingers and toes of four weeks duration. It became progressively worse which affected her daily activities. The available investigations are ;
 ESR – 120 mm,
 Hb- 8.2 g/dl,
 WBC – 4800 / cu mm., N-72, L-34, E-2
- 8.1 List 3 differential diagnoses. (20 marks)
- 8.2 List 3 other clinical features of 2 conditions mentioned above. (30 marks)
- 8.3 List 3 investigations with reasons to confirm the diagnoses. (20 marks)
- 8.4 Outline the management of one condition mentioned in 8.1 (30 marks)
- 09
- 9.1 What do you understand by the term **pyrexia of unknown origin** (PUO)? (20 marks)
- 9.2 What are the common infections presenting with PUO? (30 marks)
- 9.3 What are the non infective causes of PUO? (20 marks)
- 9.4 Discuss the value of performing an ultrasound scan in a patient with PUO. (30 marks)
- 10 A 28 year old young man was referred to the Psychiatric Unit from the surgical ward about a month after a near fatal Road Traffic Accident which he survived. He was found to be sad, tearful, refusing his medications and not cooperating with the ward staff. But he was well oriented and continued his interaction with his mother who visited him on a daily basis. On direct questioning he expressed the idea that he would have died rather than suffering like this.
- 10.1 From a mental health point of view what is your probable diagnosis? (10 marks)
- 10.2 Mention at least six salient features which are needed to make your diagnosis. (15 marks)
- 10.3 Outline the pharmacological management with justification. (25 marks)
- 10.4 State three non pharmacological managements you can think of for this patient in this particular setting? (25 marks)
- 10.5 Briefly describe the burden of Road Traffic Accidents at individual, familial and social levels. (25 marks)