

UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES - MAY 2013
MEDICINE PAPER II

ANSWER ALL 10 QUESTIONS IN A SEPARATE ANSWER BOOK

Date: 20.5.2013

Time: 3 Hours

- 01 A 50- year- old male presented with tiredness, anorexia and generalized pruritus of three months duration. On examination he was found to be pale and his blood pressure was 170/100 mmHg.
Preliminary investigations revealed blood urea of 130mg/dl and a haemoglobin of 8g/dl.
- 1.1 What is the most likely clinical diagnosis? (10 Marks)
- 1.2 What investigation would you do to confirm your clinical diagnosis? (10 Marks)
- 1.3 What further investigations should be done to arrive at an aetiology? (20 Marks)
- 1.4 Outline the principles of management of this patient (60 Marks)
- 02 A 60- year- old male admitted to the medical ward with a history of progressive swelling of his both legs of 3 weeks duration. He also complained of numbness of both feet particularly at night of 6 months duration. He was a hypertensive and diabetic patient and was on regular follow up for the last ten years. He was an ethanol abuser and stopped taking alcohol 5 years back. He has cut down his smoking in the recent past.
- 2.1 Enumerate the possible causes for his ankle odema. (20 Marks)
- 2.2 How will you investigate to arrive at a cause for ankle odema? (30 Marks)
- 2.3 How will you assess his glycaemic control during the follow up? (20 Marks)
- 2.4 What are the probable causes for his numbness of feet? (10 Marks)
- 2.5 What are the treatment options available to treat his numbness? (20 Marks)

- 03 A 17 year old female admitted to medical ward with poor exercise tolerance, palpitations and letharginess. She brought a blood report that showed Hb 6g/dl and MCV of 60 fl.
- 3.1 What are the possible causes for the above presentation? (15 Marks)
- 3.2 What are the important features you may obtain in the history? (30 Marks)
- 3.3 What are the possible abnormalities you may find in the examination? (25 Marks)
- 3.4 List what further investigations you would do on this patient and give reasons (30 Marks)
- 04 A 24-year-old female presented to the medical emergency with Right sided face arm weakness of 2 hours duration. On questioning she admits that she has palpitations over the last two weeks and her exercise tolerance has got impaired over the last 6 months. She is married recently and on combined oral contraceptive pills.
On examination she had irregularly irregular pulse and a loud 1st heart sound in the mitral area.
- 4.1 What is the complete clinical diagnosis? (10 Marks)
- 4.2 What are the other complications that this patient might develop? (20 Marks)
- 4.3 Describe the immediate management of this patient? (30 Marks)
- 4.4 Outline the follow up measures and long term management plans of this patient? (40 Marks)
- 05 A 50 year- old- male, lecturer at a higher education institution, married and having two school going children, was brought to the medical ward around midnight with the history of restlessness, irrelevant talk, frightening experiences, coarse tremors of hand and body, severe perspiration, nausea, loss of appetite and a history of mild fever of two days duration. He was accompanied by his wife, who told the house officer that he had made a promise and stopped taking his usual drink for the last three days.
- 5.1 What is your provisional diagnosis? (10 Marks)
- 5.2 Briefly outline how you would manage this patient for the next 48 hours. (40 Marks)
- 5.3 Name two drugs which are helpful in maintaining alcohol abstinence and mention how they help the patients. (20 Marks)

- 5.4 What is the role of the family in maintaining alcohol abstinence? (30 Marks)
- 06 A 56 year old male smoker has presented with the history of haemoptysis for last 2 weeks and back pain at thoracic region for 4 weeks duration. He noticed that he has lost 5kg of his weight during the last 2 months.
- 6.1 Write 2 possible causes to explain all his symptoms. (10 Marks)
- 6.2 Write down the examination findings that will help you to differentiate both conditions (20 Marks)
- 6.3 Write the investigations you will do in this patient with reasons. (40 Marks)
- 6.4 Brief out the management of haemoptysis of this patient. (30 Marks)
- 07 A 16 year old Ordinary level student has presented with the history of 4 episodes of seizure attacks within the last 2 months.
- 7.1 What are the points in the history that will help you to differentiate true seizures from pseudo seizures? (20 Marks)
- 7.2 If the clinical history is in favour of true seizures, how will you evaluate him on the physical examination? (20 Marks)
- 7.3 Write the investigations you will arrange for this patient with reasons. (40 Marks)
- 7.4 Write the facts you will take into the consideration to select the anti epileptic drug for this patient. (AEDs) (20 Marks)
- 08 A 52 year old patient with Diabetes Mellitus presented with fever and history of blood and mucus diarrhoea for 3 days.
On examination he was ill and dehydrated, pulse 120/minute; BP – 100/80 mm Hg.
- 8.1 List down the probable clinical problems of this patient. (10 Marks)
- 8.2 What are the possible organisms that would have caused this? (20 Marks)
- 8.3 If you are the house officer what are the investigations you would request on this patient? (20 Marks)
- 8.4 How will you manage this patient? (40 Marks)
- 8.5 If this patient has started to pass brown colour urine and his platelet count is 50,000/mm³, Blood urea 150mg/dl, what is the likely problem he has developed. (10 Marks)

- 09 A 16 year old young girl with primary hypothyroidism has presented with itching over the face, arms and both legs below knee with rashes for 6 months. It is worse after coming from school at 2 PM. Recently she noticed few red colour rashes over the face and frequent small ulcers in the mouth.
- 9.1 What is the most possible cause for her presenting symptoms? (10 Marks)
- 9.2 What are the other manifestations of this condition? (30 Marks)
- 9.3 Write the investigations you will do on this patient. (30 Marks)
- 9.4 If this patient has developed abnormal behaviour and hallucinations. (30 Marks)
How will you treat this patient?
- 10 A 50 year old previously healthy patient presented with sleepiness over the last 3 – 4 days. On examination he was icteric, drowsy and had flapping tremor.
- 10.1 What is the most possible cause for his drowsiness? (10 Marks)
- 10.2 If he is perfectly well before this write 5 causes for the above condition mentioned in 1.1. (20 Marks)
- 10.3 How will you manage this patient? (70 Marks)