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UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES – MAY 2012
MEDICINE PAPER II

Date: 08.05.2011

ANSWER ALL TEN QUESTIONS.

TIME: 3 HOURS

ANSWER EACH QUESTION IN SEPARATE ANSWER BOOK.

- 01 A 45 year old bank officer is found to have Fasting Blood Sugar of 205 mg/dl and BMI of 30. He is a smoker (10 cigarettes per day). His blood pressure was > 150/100 mm Hg on several occasions. His lipid profile revealed total cholesterol of 285 mg/dl and LDL of 165 mg/dl.
- 1.1 Describe the important physical signs you would look for and record in his clinic notes. (30 marks)
- 1.2 Briefly describe non pharmacological measures are appropriate in his management? (30 marks)
- 1.3 What further investigations you would do in this patient? Give reasons. (20 marks)
- 1.4 Describe the pharmacological management of his medical illness. (20 marks)
- 02 A 15 year old boy was admitted with a history of sudden onset of fever with chills and rigors of 4 days duration. He also complained of muscle pain and joint pain.
- 2.1 List 3 conditions that should be considered in the differential diagnosis. (20 marks)
- 2.2 What are the important signs you would look for to support each of your diagnosis? (40 marks)
- 2.3 List 4 investigations that should be done on this patient? Give reasons. (20 marks)
- 2.4 Briefly outline the specific management of one of the conditions you mentioned in 2.1 (20 marks)

- 03 A 25 year old girl developed a change in behaviour with emotional disturbances including aggression and suspicion about her office mates. She is seen to talk to herself and laugh inappropriately by herself. Her sleep was disturbed and frequently she was sitting and staring into space. Her self care had deteriorated in the recent past.
- 3.1 What is the possible clinical diagnosis? (10 marks)
- 3.2 What findings in mental state examination will support your diagnosis? (40 marks)
- 3.3 How would you manage her? (50 marks)
04. A 35 year old female was admitted with a history of lethargy and poor exercise tolerance. She brought a blood report that showed Hb 7 g/dl and MCV of 60fl.
- 4.1 What are the salient points you will elicit in the history of this patient? (40 marks)
- 4.2 What are the possible physical signs you may observe on examination? (30 marks)
- 4.3 What further investigations you will request? Give the expected abnormalities? (30 marks)
- 05
- 5.1 List 5 common causes of cirrhosis of liver. (10 marks)
- 5.2 What are the features in the history and examination you will look for to find an aetiology of cirrhosis of liver? (40 marks)
- 5.3 How will you manage ascites in a cirrhotic patient? (25 marks)
- 5.4 Outline the management of hepatic encephalopathy. (25 marks)

- 06 A 48 year old male with past history of coronary heart disease presented with the history of sudden onset weakness of right upper and lower limbs from 9.30 AM. When he was examined at 10.30 AM he had mild weakness. At 1.00 PM the weakness has resolved completely.
- 6.1 What is your most probable diagnosis? (10 marks)
- 6.2 Write 2 differential diagnoses. (10 marks)
- 6.3 How will you evaluate him with investigations? (40 marks)
- 6.4 Brief out the treatment of this patient. (40 marks)
07. A 60 year old chronic smoker presents to Emergency Unit with history of worsening of cough and difficulty in breathing for 3 days. He also gave a history of poor exercise tolerance for last 9 months. On examination he was tachypnoeic, cyanosed with a pulse rate of 120/min, BP- 140/80 mm Hg and had diminished breath sounds bilaterally with rhonchi.
- 7.1 What is your most probable diagnosis? (10 marks)
- 7.2 How will you manage his acute problem? (40 marks)
- 7.3 Brief out the follow up management. (50 marks)
08. A 40 year old female presented to medical ward with swelling of both feet for last two weeks. She also admits progressive effort intolerance for last one week. On examination she had bilateral oedema of feet. RR -24 / min. Pulse-120/min, BP-140/90 mm Hg, JVP-9 cm and bilateral fine basal crepitations.
- 8.1 What is your clinical diagnosis? (10 marks)
- 8.2 How will you evaluate her in the history to find the etiological cause? (30 marks)
- 8.3 Write the immediate treatment of this patient. (30 marks)
- 8.4 Write the plan of investigations of this patient. (30 marks)

- 09 A 50 year old female with history of rheumatoid arthritis for last 13 years has presented with severe pain and swelling of right knee. Her drug compliance was poor. There is a history of fever for last 3 days.
- 9.1 Write 3 differential diagnoses for her acute presentation. (20 marks)
- 9.2 Write the investigations that should be done immediately. (25 marks)
- 9.3 How will you assess her disease activity, when she comes for review at 4 weeks ? (25 marks)
- 9.4 Enumerate the lung / neurological complications of rheumatoid arthritis. (30 marks)
- 10 A 33 year old female was transferred from Kilinochi with the history of not passing urine for 36 hours after a snake bite. She was treated with anti venom sera before transfer. On examination she was tachypnoeic. Pulse – 90/min, JVP is elevated
BP-140/100 mm Hg.
- 10.1 What is your most probable diagnosis? (10 marks)
- 10.2 Write 3 immediate investigations you will do. (30 marks)
- 10.3 Brief out the management of this patient. (60 marks)