



Pathology Paper I

Monday 25th October 2004

9.00am to 11.00 am
2 hours

Answer ALL FOUR questions.
Answer each part in a SEPARATE book.

Part A

- 1 1.1 Discuss how the macroscopic examination helps in differentiating benign gastric ulcer from a malignant gastric ulcer. (25 marks)
- 1.2 Briefly describe the macroscopic appearances of the growth patterns of gastric carcinoma other than malignant gastric ulcer. (15 marks)
- 1.3 Describe the microscopic appearance of
1.2.1 Benign gastric ulcer. (25 marks)
1.2.1 Malignant gastric ulcer. (25 marks)
- 1.4 List 4 complications of benign gastric ulcer. (10 marks)

Part B

- 2 Write short notes on
- 2.1 Grading and staging of cancer. (30 marks)
- 2.2 Healing of a surgical incision. (30 marks)
- 2.3 Pathogenesis of glomerular injury in glomerulonephritis. (40 marks)

Part C

- 3 3.1 Define the term corpulmonale. (10 marks)
- 3.2 Briefly discuss the pathogenesis of corpulmonale. (30 marks)
- 3.3 Describe the postmortem appearances on the body of a person who died of corpulmonale. (60 marks)

Part D

- 4.1 Briefly describe the pathological basis of the following.
- 4.1.1 Anaemia in vitamin B 12 deficiency. (20 marks)
- 4.1.2 Increased bleeding tendency in liver disease. (20 marks)
- 4.1.3 Presence of haemosiderin in urine in haemolytic anaemia. (20 marks)
- 4.2 A 61 year-old female had felt persistent fatigue for the last two months. She had been apparently in good health previously and was not on any medications. Her random plasma glucose is 11.7 mmol/L(210mg/dL).
- 4.2.1 What is the most likely diagnosis? (5 marks)
- 4.2.2 What investigation/s would you do to confirm your diagnosis? (5 marks)
- 4.2.3 Briefly outline the diagnostic criteria for the disease you have mentioned in 4.2.1 (15 marks)
- 4.2.4 Name 2 other investigations you would do in the management of this patient. (5 marks)
- 4.2.5 Briefly explain how the investigations mentioned in 4.2.4 would help in the management of this patient. (10 marks)