

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

Date: 04.8.2011

TIME: 3 1/2 Hours
1.30 PM – 5.00 PM

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

Part A

1. A 70 year old man presented with bladder outflow obstruction symptoms. Clinically he was suspected to have carcinoma of prostate.
 - 1.1. Brief out the presentations and physical examination findings to support the diagnosis of carcinoma of prostate. 35 marks
 - 1.2. Mention the investigations with interpretations to diagnose prostatic carcinoma. 35 marks
 - 1.3. Brief out the treatment modalities of carcinoma of prostate. 30 marks

2. Write short notes on
 - 2.1. Extradural haemorrhage 35 marks
 - 2.2. Tension pneumothorax 35 marks
 - 2.3. Clinical assessment of a patient with cut injury to anterior aspect of the mid- arm 30 marks

3. A 19 year old male was admitted with right side scrotal pain and swelling for 8 hours duration.
 - 3.1. Write 3 possible differential diagnosis. 15 marks
 - 3.2. What factors will help in the history and examination to arrive at a diagnosis in this patient. 45 marks
 - 3.3. List the investigations useful in this patient to arrive at a diagnosis. Give reasons. 40 marks

Part B

4. A 50 year old male who drinks toddy was admitted to the surgical casualty with right hypochondrial pain of 4 days duration.
 - 4.1. What is your most likely diagnosis? 20 marks
 - 4.2. What are the physical signs you may find on examination? 20 marks
 - 4.3. How will you investigate him? 20 marks
 - 4.4. How will you treat him? 20 marks
 - 4.5. Mention 2 complications and how you will treat them. 20 marks

5. A 35 year old female has a 2x3 cm lump in her right breast which is clinically suspected to ^{be} a breast carcinoma. There are no palpable axillary or supraclavicular lymph nodes. There is no clinical evidence of distant metastasis.
- 5.1. Stage this tumour on TNM classification. 20 marks
- 5.2. Provided all the investigation facilities are available, how will you confirm the diagnosis? 40 marks
- 5.3. What are the criteria needed to be taken into consideration when choosing the treatment options on her? 40 marks

Part C

6. Write notes on
- 6.1. Acute osteomyelitis. 35 marks
- 6.2. Clinical diagnosis of DDH. 35 marks
- 6.3. Diagnosis and management of malignant bone tumours. 30 marks

Part D

7. Write short notes on
- 7.1. Hypokalaemia. 35 marks
- 7.2. Nonretractile prepuce. 30 marks
- 7.3. Chronic suppurative otitis media. 35 marks

Part E

8. A 60 year old diabetic patient was admitted to surgical casualty ward with a neuropathic ulcer in the right foot of 3 months duration
- 8.1. List 3 characteristic features of diabetic neuropathic ulcer in this patient 30 marks
- 8.2. Mention the principles in the management of this ulcer 20 marks
- 8.3. Enumerate the likely clinical problems of other systems that you would search for in this diabetic patient 10 marks
- 8.4. List the investigations you will perform in this patient 20 marks
- 8.5. What advice you will give to this patient regarding foot care 20 marks

9. A 55 year old male patient presented with bleeding per rectum of 3 months' duration. Examination of this patient with a proctoscopy revealed a growth in lower rectum about 1.5 cm above the anal margin. A biopsy from this lesion confirmed a moderately differentiated adeno carcinoma.
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| 9.1. | List the important investigations that you will carry out in this patient before treatment. Give reasons for these investigations. | 30 marks |
| 9.2. | What is the most likely surgical treatment, this patient would undergo? | 10 marks |
| 9.3. | Write the information given to the patient for getting the consent. | 20 marks |
| 9.4. | Briefly describe the staging system used in this disease condition. | 20 marks |
| 9.5. | How would you prepare the patient for surgery? | 20 marks |

Part F

10. A 58 year old gentleman came to the surgical clinic with the history of progressive dysphagia of 6 months duration.
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| 10.1. | What further information will you gather from the history and examination? | 20 marks |
| 10.2. | Based on the information what may be the differential diagnosis? | 20 marks |
| 10.3. | What further investigations will you perform to diagnose the condition? | 30 marks |
| 10.4. | Discuss the various treatment options to manage this problem. | 30 marks |