

UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES–NOVEMBER 2014
SURGERY Paper II

Date: 20.11.2014

Time: 03 ½ hours

ANSWER ALL TEN QUESTIONS

Answer each **Part** in separate answer book

Part A			
1		A thirty year old female was admitted to the surgical ward with nipple discharge from the right breast for two months duration.	
	a	Mention five possible causes for the nipple discharge in this patient	(15 Marks)
	b	What are the symptoms and examination findings that would help in arriving to the diagnosis	(40 Marks)
	c	Mention the investigations with interpretations that would help to arrive at the diagnosis	(45 Marks)
2		A fifty year old male was admitted to the surgical ward with chronic ulcer in his right foot for three months duration	
	a	Mention five possible causes to his chronic ulcer in the foot	(15 Marks)
	b	What are the symptoms and examination findings that would suggest the clinical diagnosis	(45 Marks)
	c	Mention the investigations with interpretations that would be useful in this patient to arrive at the diagnosis	(40 Marks)
Part B			
3		Write short notes on the following	
	a	Meckel's diverticulum	(40 marks)
	b	Oesophageal atresia	(30Marks)
	c	Imperforated anus	(30Marks)

4		An eighty year old male patient was brought to the surgical casualty ward with sudden onset of abdominal distension. He did not open bowel for 2 days. On examination he had a distended abdomen with tenderness over the left lower quadrant . DER revealed an empty rectum. A supine abdominal x-ray revealed a gas filled loop of colon extending from left iliac fossa towards right hypochondrium	
	a	What is the most likely diagnosis to this clinical scenario	(15 Marks)
	b	List the predisposing factors to this surgical condition	(25 Marks)
	c	Describe the initial management of this patient	(25 Marks)
	d	Mention about the definitive treatment to this condition	(35 Marks)
Part C			
5		A thirty year old man is admitted to the surgical emergency ward complaining of severe right sided loin pain	
	a	What are the symptoms and examination findings that would suggest that this was ureteric olic	(30 Marks)
	b	How will you manage him in the first few hours	(30 Marks)
	c	Investigations indicates a 5 mm size calculus in the region of the lower right ureter. How will you treat this	(20 Marks)
	d	What advice would you give him to help reduce the risk of recurrent stone formation	(20 Marks)
6		A 40 year old cyclist is knocked down by a motor bike. She is brought into the accident and emergency department where she answers your questions clearly. She complains of slight pain at the back of the neck but severe pain over the left lower ribs which makes breathing painful.	
	a	How will you assess this particular patient	(50 Marks)
	b	Shortly after admission she suddenly becomes short of breath and this gets quickly worse. What complication will you suspect and how will you treat it	(25 Marks)
	c	Mention at least four ways in which we could help reduce the incidence of road traffic accidents	(25 Marks)
Part D			
7		28 year male with head ache, giddiness, profuse sweating and palpitation on and off for last 2 years. He was treated at various places for uncontrolled hypertension during this last 2 years – even with medication his blood pressure was not under control. On direct questioning, he has had no other systemic problems. He has no family history of similar illness. He has significant weight loss over the last 4 month duration. Biochemical investigation reveals increased catecholamines.	
	a	What is the possible diagnosis in this patient	(10 Marks)

	b	What are the lab investigation will you request to confirm you diagnosis, give the expected findings as well	(15 Marks)
	c	List the imaging modalities to locate the problem in this man	(15 Marks)
	d	How will you manage this patient?	(40 Marks)
	e	Outline the follow up in this patient	(20 Marks)
8		65 year old lady presented with yellow discoloration of skin and sclera for one week duration with colicky pain across the upper abdomen. Answer the following questions related to this patient	
	a	What are the other symptoms and signs you will expect in this patient	(20 Marks)
	b	What are the biochemical investigation you will request to establish or facilitate your diagnosis and what would you expect in each investigation	(20 Marks)
	c	What is the basic radiological investigation you will order to establish your diagnosis and list the information you gather from the above mentioned investigation in this patient	(20 Marks)
	d	Name one investigation to confirm your diagnosis	(10 Marks)
	e	It was decided to do a Endoscopic retrograde cholangio-pancreatogram (ERCP) to this patient. How will you prepare this patient for this procedure, include any specific investigation to be done before this procedure	(20 Marks)
	f	List the post procedure complication after the ERCP	(10 Marks)
Part E			
9		A 75 year old lady was admitted to the surgical casualty ward with the history of fall at home. She had a short externally rotated right lower limb. Her vital signs were stable	
	a	What is the possible diagnosis	(10 Marks)
	b	What is the initial management	(30 Marks)
	c	Write a brief account on definitive management	(40 Marks)
	d	Enumerate the discharge plan	(20 Marks)
Part F			
10.1		A thirty year old male patient was admitted to surgical casualty ward following road traffic accident. He had peri orbital haematoma and double vision	
	a	What are the possible ocular structures involved in this patient	(10 Marks)
	b	How will you manage this patient initially	(25 Marks)
10.2		Write short notes on the assessment of fluid requirement in a surgical patient	(35 Marks)
10.3		A 50 year old farmer presented with voice change for 3 months. He is a heavy smoker and consumes alcohol for several years	

	a	List 3 possible causes	(10 Marks)
	b	What is the examination that should be done in ENT clinic/ward	(5 Marks)
	c	Name the endoscopic procedure that is needed to this patient	(5 Marks)
	d	List three methods of non laryngeal voice in a patient who underwent laryngectomy.	(10 Marks)