

OSPE FOR FINAL YEAR M.B.B.S.
SUBJECT: SURGERY
SURGICAL UNIT-II, LAHORE MEDICAL & DENTAL
COLLEGE, LAHORE

Static Stations (General Surgery)	10
Static Stations (Orthopaedics)	02
Static Stations (Urology)	02
Static Stations (Neurosurgery)	02
Static Stations (Anaesthesia)	02
Interactive Stations (General Surgery)	04
Total:	22

Static Stations

General Surgery

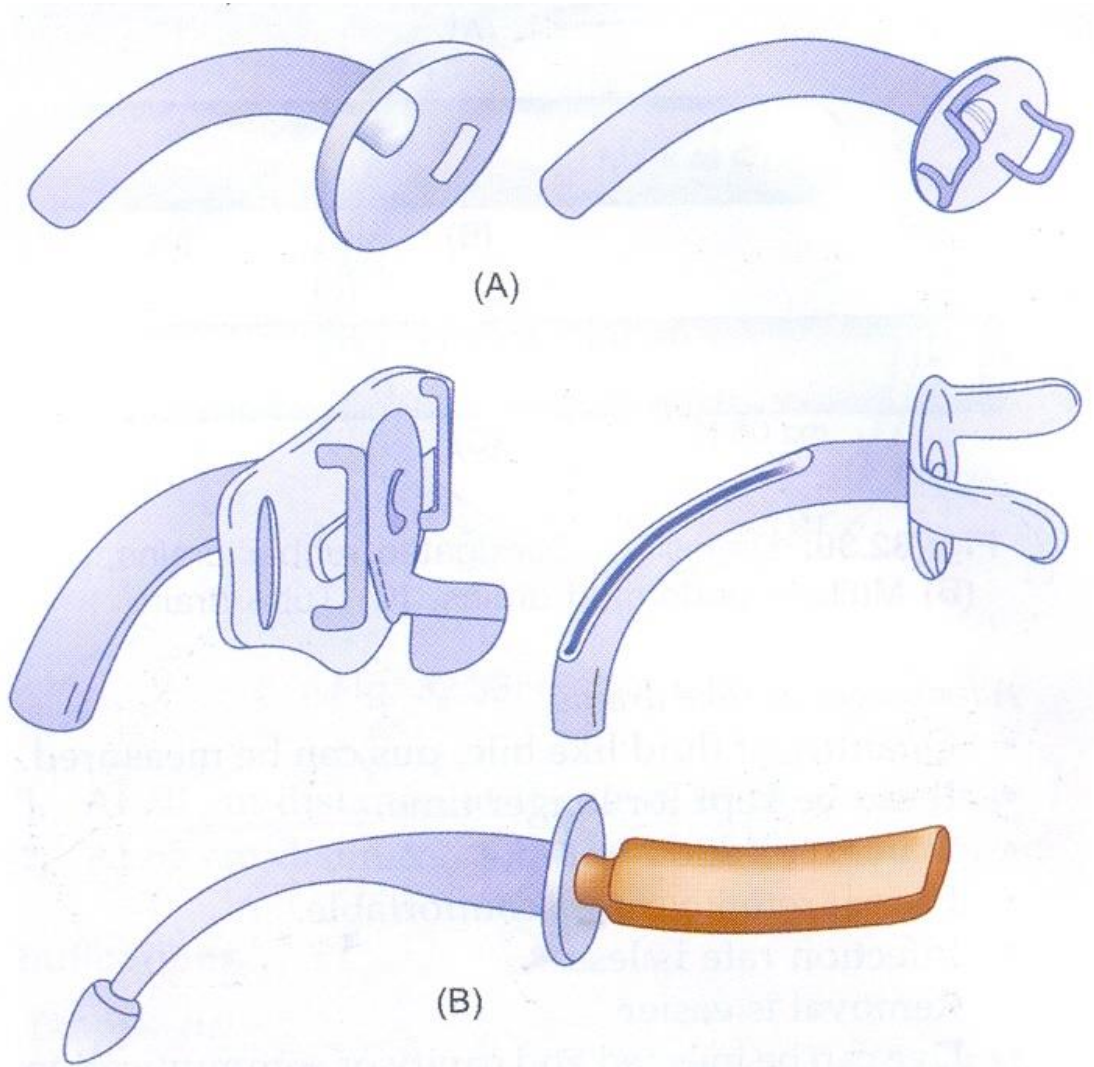
OSPE SURGICAL UNIT-II

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observed given diagram and answer the following question.



- | | |
|--|-----|
| 1. What this instrument set is called? | 1 |
| 2. What are indications of use of this instrument set? | 1.5 |
| 3. What are complications of tracheostomy? | 1 |
| 4. What is the care of tracheostomy? | 1.5 |

Key

- | | |
|---|-----|
| 1. Tracheostomy Set | 1 |
| 2. | 1.5 |
| a. Upper airway obstruction | |
| b. To reduce dead space | |
| c. As preliminary to certain operations | |
| 3. | 1 |
| a. Haemorrhage | |
| b. Pneumothorax | |
| c. Tracheal stenosis | |
| 4. | 1 |
| a. Humidification | |
| b. Tracheo-bronchial toilet | |

OSPE SURGICAL UNIT-II

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the given picture and answer the following question.



- | | | |
|-----|--|---|
| (1) | Identify this lesion? | 1 |
| (2) | What is rule of nine? | 1 |
| (3) | What is initial management of this patient? | 2 |
| (4) | What are the late complications of this Condition? | 1 |

Key

- | | | |
|-----|--|---|
| (1) | Burn | 1 |
| (2) | Upper limb 9% each, face 9%, Lower limb 9% each side and surface, chest 9%, abdomen 9%, upper back 9%, Lower back 9% | 1 |
| (3) | I/V fluid, analgesia, tetanus toxoid, antibiotics | 2 |
| (4) | Contractures, Hypertrophic scars, keloids. | 1 |

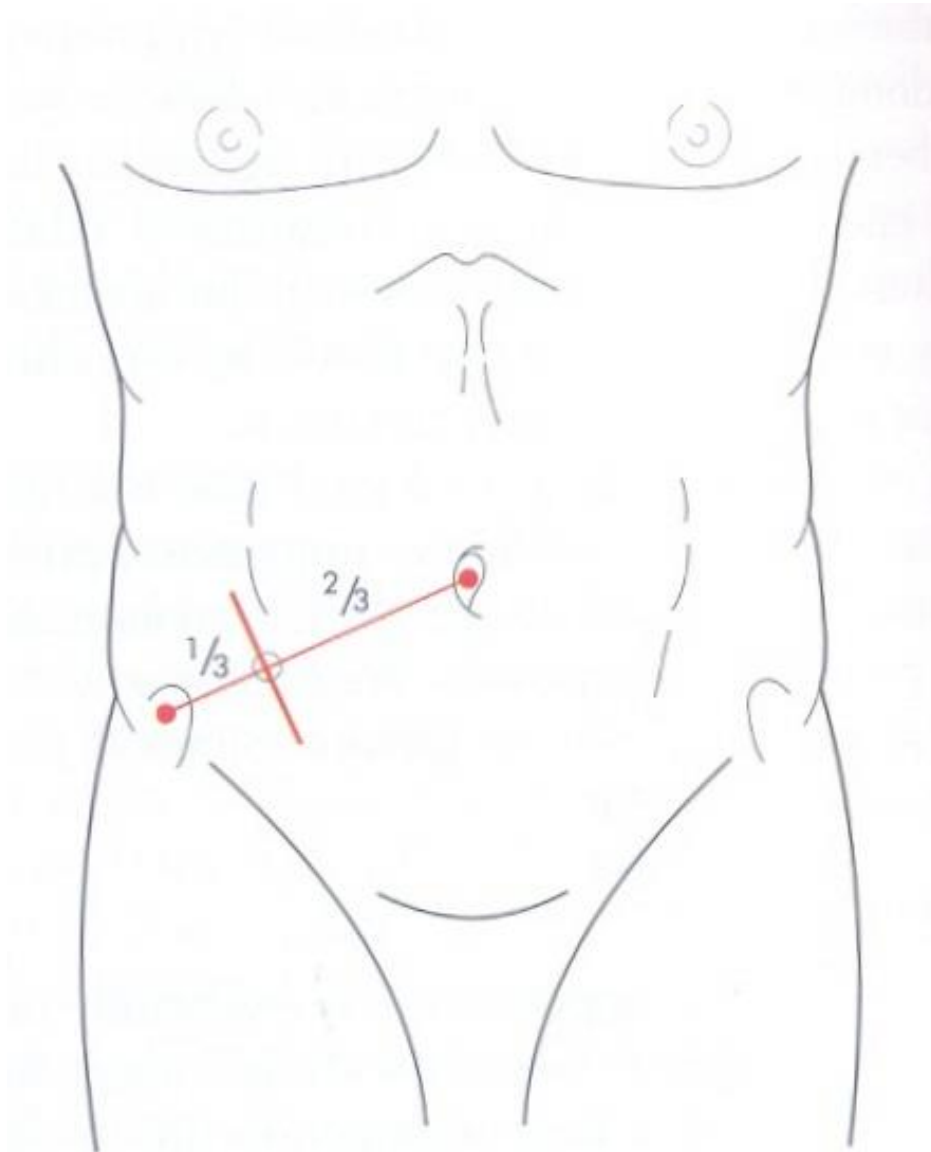
OSPE SURGICAL UNIT-I

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the given diagram and answer the following question.



- | | | |
|-----|--|-----|
| (1) | Name this incision. | 1 |
| (2) | Name the operation for which you make this incision? | 1 |
| (3) | What are the layers you split in this incision? | 1.5 |
| (4) | Write down three complications of this incision? | 1.5 |

Key

- | | |
|---|-----|
| 1. Grid-iron incision | 1 |
| 2. Appendicectomy | 1 |
| 3. Internal oblique, transversus abdominous. | 1.5 |
| 4. Wound infection, incisional hernia, and hypertrophic scar. | 1.5 |

OSPE SURGICAL UNIT-II

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the diagram and answer the following questions.



- | | |
|---|---|
| 1. What is this type of wound? | 1 |
| 2. What are different types of wound healing? | 2 |
| 3. Give three factors that promote wound healing? | 1 |
| 4. Give three factors that delay wound healing? | 1 |

Key

- | | |
|---------------------------------|---|
| 1. Incised wound | 1 |
| 2. a. First intention healing | 2 |
| b. Second intention healing | |
| 3. a. Good blood supply | 1 |
| b. Good nutrition | |
| c. Vitamin C | |
| 4. a. Anemia | 1 |
| b. Infection | |
| c. Foreign body | |

OSPE SURGICAL UNIT-I

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observed the given illustration and answer the following question.



- | | |
|--|---|
| 1. What is this condition? | 1 |
| 2. What are various types of this condition? | 2 |
| 3. What is the treatment? | 1 |
| 4. What is intermittent claudication? | 1 |

Key

- | | |
|---|---|
| 1. Gangrene of toes | 1 |
| 2. | 2 |
| a. Traumatic | |
| b. Infective | |
| c. Physical | |
| d. Chemical | |
| 3. Amputation | 1 |
| 4. Pain in calf muscles on walking which may disappear on rest. | 1 |

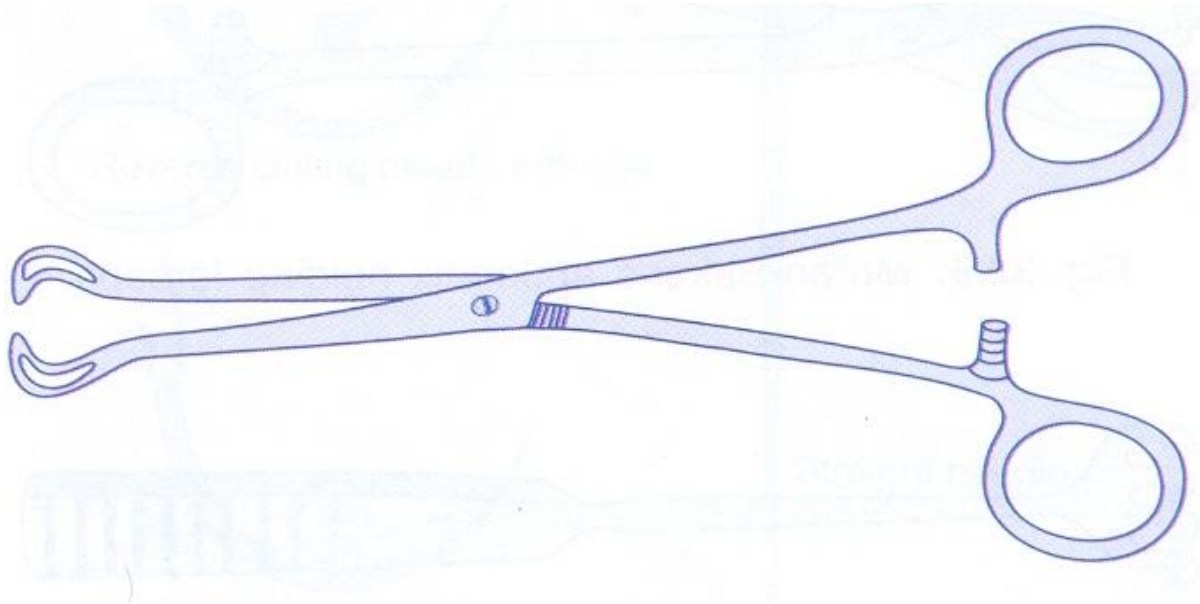
OSPE SURGICAL UNIT-II

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Observe the given diagram and answer the following questions.



- | | |
|--|---|
| 1. Identify this instrument? | 1 |
| 2. Give its different parts. | 1 |
| 3. How is this sterilized? | 1 |
| 4. What are the uses of this instrument? | 2 |

Key

- | | |
|---|---|
| 1. Babcock's forcep | 1 |
| 2. Tissue holding end, joint, rachet, handle. | 1 |
| 3. By autoclave | 1 |
| 4. To hold hollow, soft structures | 2 |

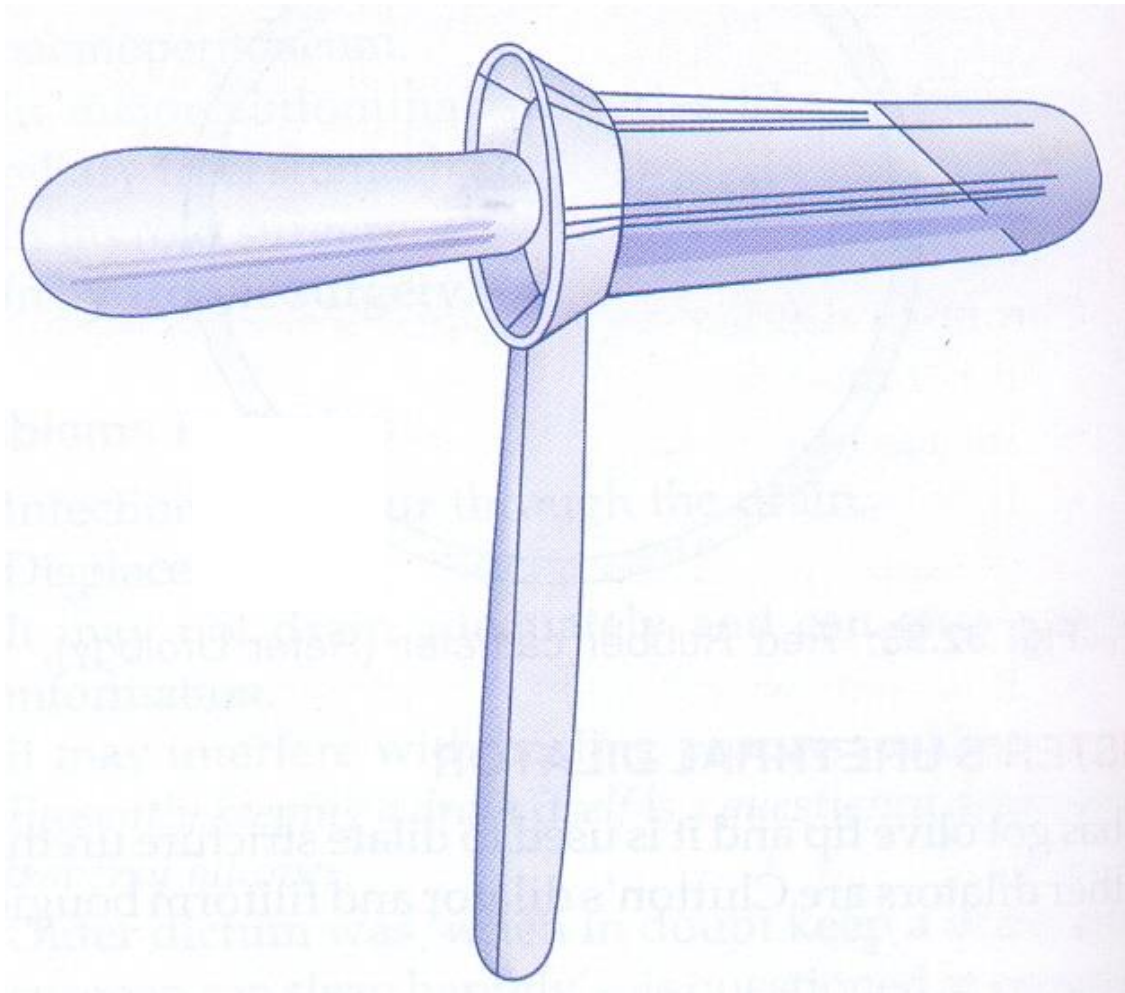
OSPE SURGICAL UNIT-II

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Observe the given diagram and answer the following questions.



- | | |
|--|-----|
| 1. Identify the instrument. | 0.5 |
| 2. Name the different parts. | 1 |
| 3. Give indications for the use of this equipment | 1.5 |
| 4. What is the contraindication for the use of this equipment? | 1 |
| 5. How is it sterilized? | 1 |

Key

- | | |
|--|-----|
| 1. Proctoscope | 0.5 |
| 2. Sheath, obturator | 1 |
| 3. | 1.5 |
| a. Diagnostic --- to see hemorrhoids, polyps in anorectal canal | |
| b. Therapeutic --- injection sclerotherapy for hemorrhoids 1 st degree
Polypectomy | |
| 4. | 1 |
| a. Acute fissure in ano | |
| b. Perianal hematoma | |
| 5. Autoclaving | 1 |

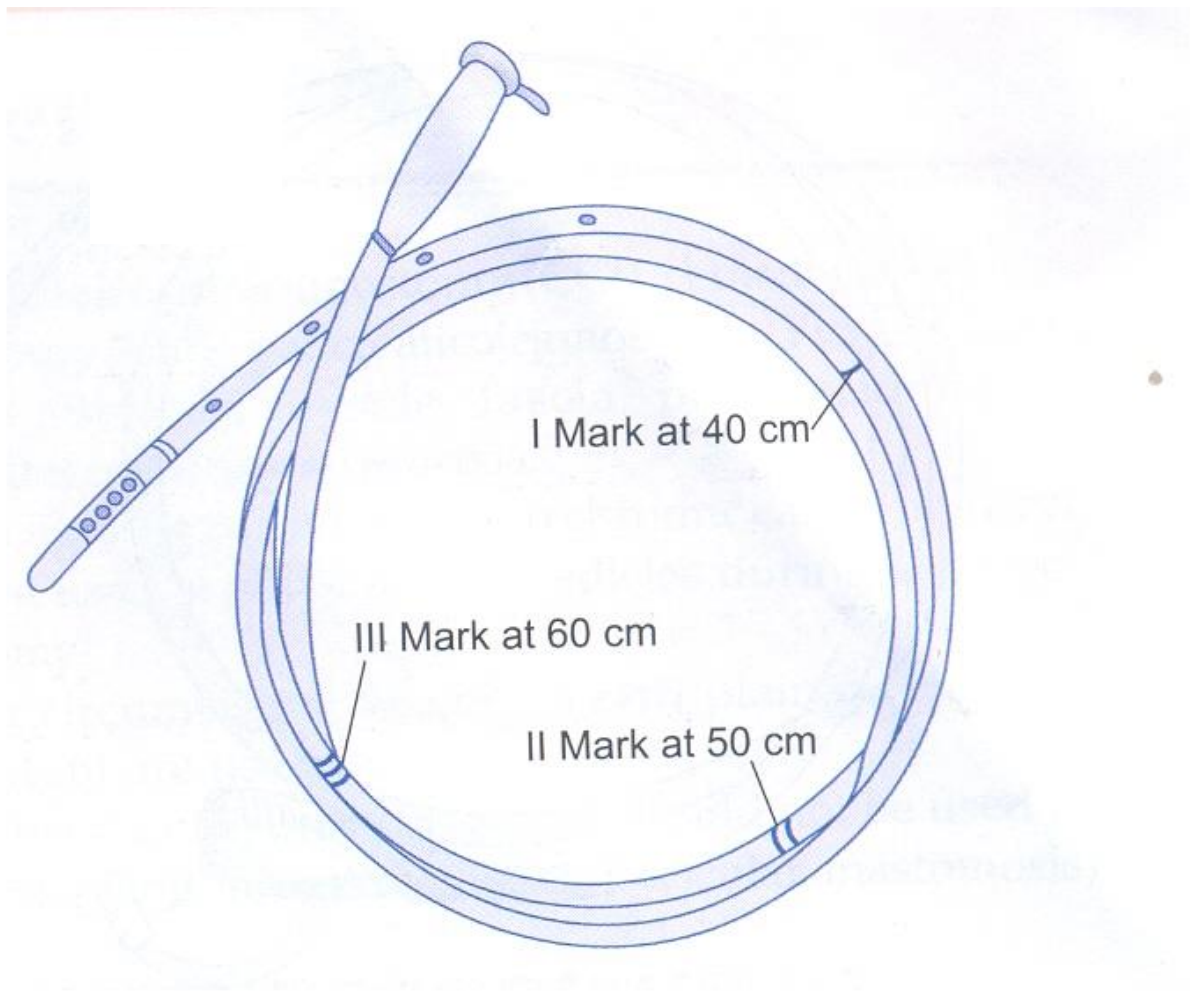
OSPE SURGICAL UNIT-II

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observed object and answer the following question



- | | |
|--------------------------------|---|
| 1. Identify | 1 |
| 2. What do the marks indicate? | 1 |
| 3. What are the complications? | 2 |
| 4. How it is sterilized? | 1 |

Key

- | | |
|--|---|
| 1. Nasogastric tube | 1 |
| 2. Marks indicate distance of the tip from inciser teeth | 1 |
| 3. | 2 |
| a. Perforation | |
| b. Haemorrhage | |
| c. Otitis media | |
| 4. Gamma radiations | 1 |

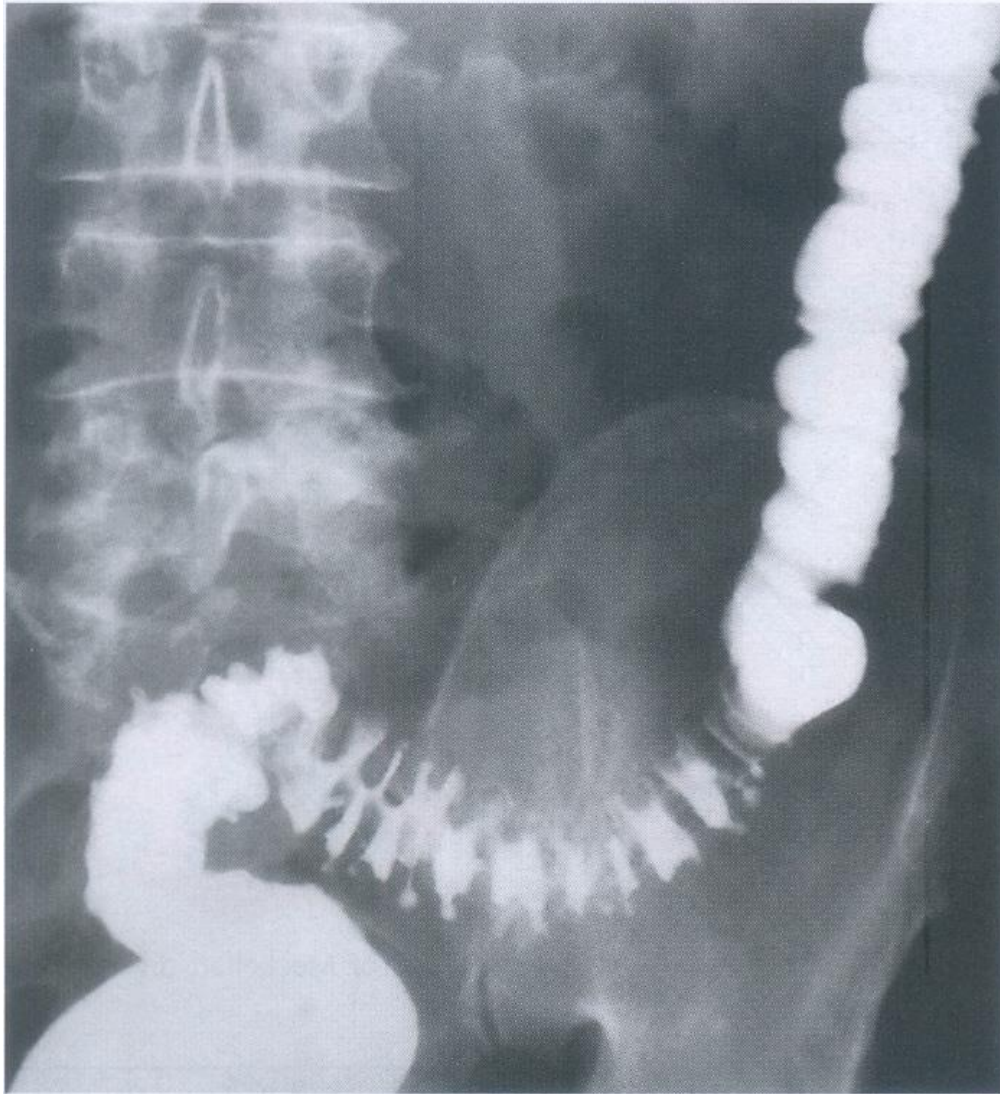
OSPE SURGICAL UNIT-II

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the provided radiograph and answer the following questions.



- | | |
|---|-----|
| 1. Name the investigation | 1 |
| 1. What are the findings? | 1 |
| 2. What are indications of this investigation? | 1.5 |
| 3. What are the complications of diverticulosis coli? | 1.5 |

Key

1. Barium enema	1
2.	1
a. Saw teeth appearance	
b. Diverticula in sigmoid colon	
3.	1.5
a. Bleeding per rectum	
b. Colonic obstruction	
4.	1.5
a. Haemorrhage	
b. Perforation	
c. Pelvic abscess	
d. Fistula formation	

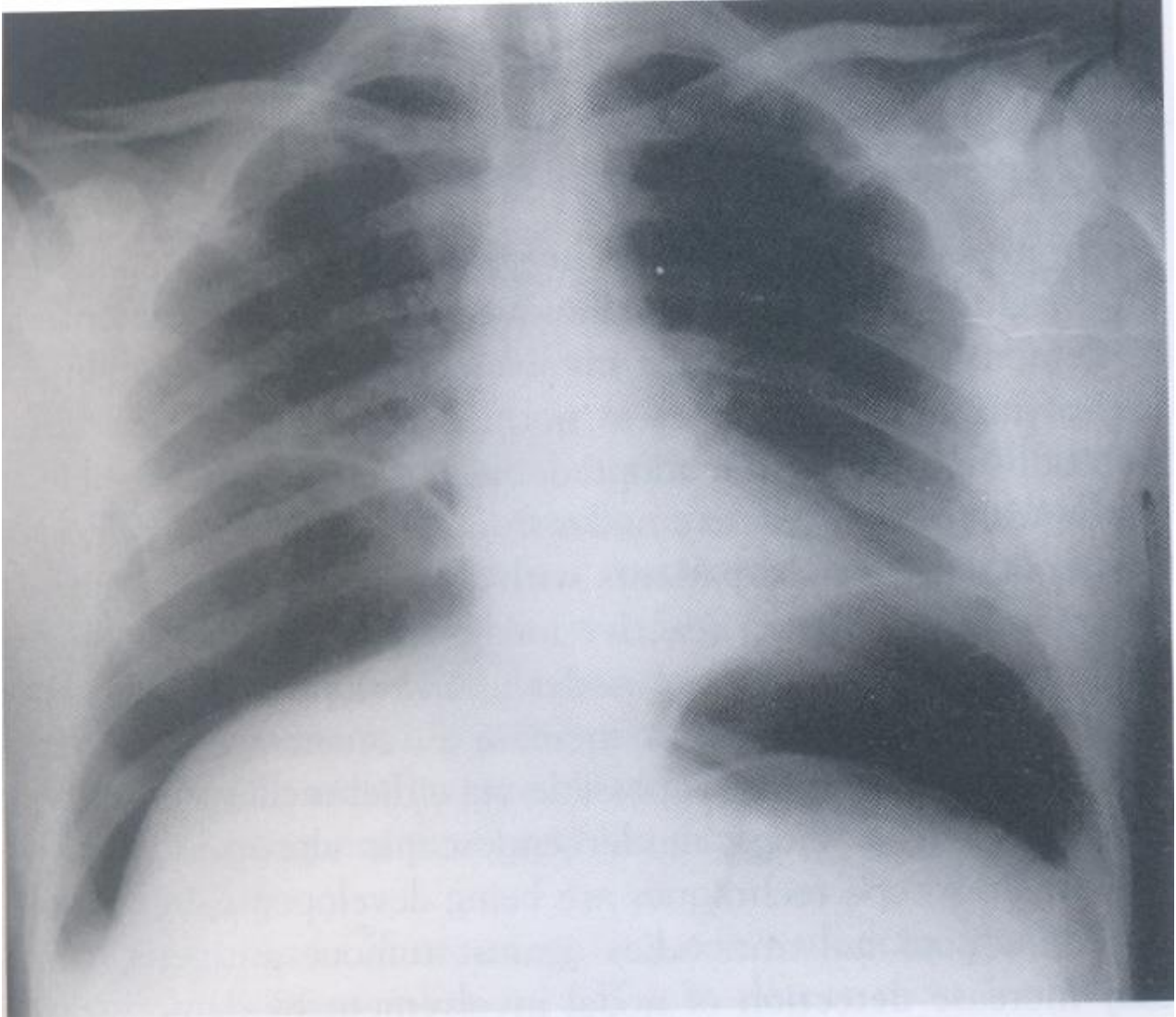
OSPE SURGICAL UNIT-II

Static Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the given illustration and answer the following questions.



- | | |
|---|---|
| 1. What is this investigation? | 1 |
| 2. What are the findings? | 1 |
| 3. What are the causes of this condition? | 1 |
| 4. How will you manage this case? | 2 |

Key

- | | |
|---|---|
| 1. X-ray chest in erect position | 1 |
| 2. Gas under diaphragm | 1 |
| 3. | 1 |
| a. Duodenal perforation | |
| b. Enteral perforation | |
| 4. | 2 |
| a. Nasogastric intubation | |
| b. I.V resusscit | |
| c. Preparation for exploratory laparotomy | |

OSPE SURGICAL UNIT-II

Static Station Orthopaedics

Time Allowed: 05 minutes

Instructions to candidates:



- | | |
|---|-----|
| 1. Identify the radiograph | 0.5 |
| 2. How much blood can be lost in this injury? | 0.5 |
| 3. What are clinical features of this injury? | 1.5 |
| 4. What are main types of fracture? | 1 |
| 5. What are the principles of management of fracture? | 1.5 |

Key

- | | |
|--------------------------------|-----|
| 1. Fracture of shaft of femur | 0.5 |
| 2. Up to 2 litters | 0.5 |
| 3. a. History of Trauma | 1.5 |
| b. Pain | |
| c. Swelling | |
| d. Abnormal movement | |
| e. Crepitus | |
| 4. a. Simple (closed) fracture | 1 |
| b. Compound (open) fracture | |
| 5. a. Resuscitation for shock | 1.5 |
| b. Reduction of the fracture | |
| c. Immobilization | |

OSPE SURGICAL UNIT-II

Static Station Orthopaedic

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the given illustration and answer the following questions.



- | | |
|---|---|
| 1. What is this? | 1 |
| 2. What is the abnormality present? | 2 |
| 3. What are the complications of this fracture? | 2 |

Key

- | | | |
|----|------------------------------------|---|
| 1. | Radiograph of humerus | 1 |
| 2. | Supra condylar fracture of humerus | 2 |
| 3. | | 2 |
| a. | Malunion | |
| b. | Vascular injury | |
| c. | Neurological injury | |

OSPE SURGICAL UNIT-II

Static Station Urology

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the X-ray and answer the following questions.



- | | |
|--|-----|
| 1. What is this? | 1 |
| 2. What abnormality present? | 1 |
| 3. What are possible causes of this condition? | 1.5 |
| 4. What are different management modalities? | 1.5 |

Key

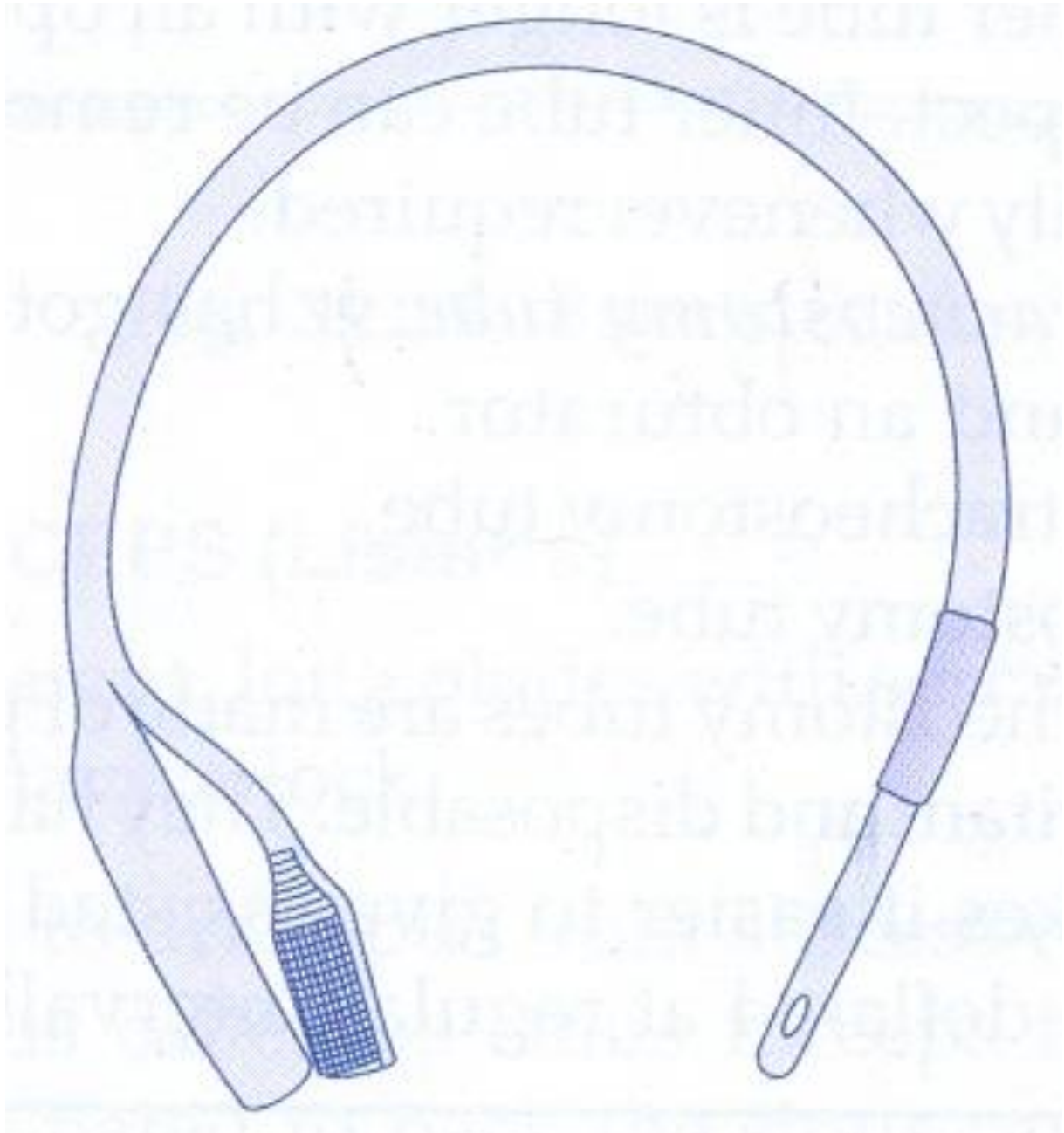
1. I V U	1
2. Right renal calculus and Right hydronephrosis	1
3. a. Pelviureteric obstruction	1.5
b. Ureteric stone obstruction	
c. Urinary bladder tumors	
4. a. Pyelolithotomy	1.5
b. Endoscopic removal of stone	
c. Lithotripsy	

OSPE SURGICAL UNIT-II

Static Station Urology

Time Allowed: 05 minutes

Instructions to candidates:



- | | |
|-----------------------------------|-----|
| 1. Identify given object. | 0.5 |
| 2. Give its different parts. | 1.5 |
| 3. Give indications of its use | 1.5 |
| 4. Give complications of its use. | 1.5 |

Key

- | | |
|--|-----|
| 1. Foley's Catheter | 0.5 |
| 2. Tip with opening, balloon for distilled water, two ways-(one for drainage and other for balloon dilation) | 1.5 |
| 3. | 1.5 |
| a. To monitor urinary output | |
| b. To relieve urinary bladder outflow obstruction | |
| c. To collect urine in unconscious & paraplegic patients | |
| 4. | 1.5 |
| a. Infection | |
| b. Injury to urethra | |

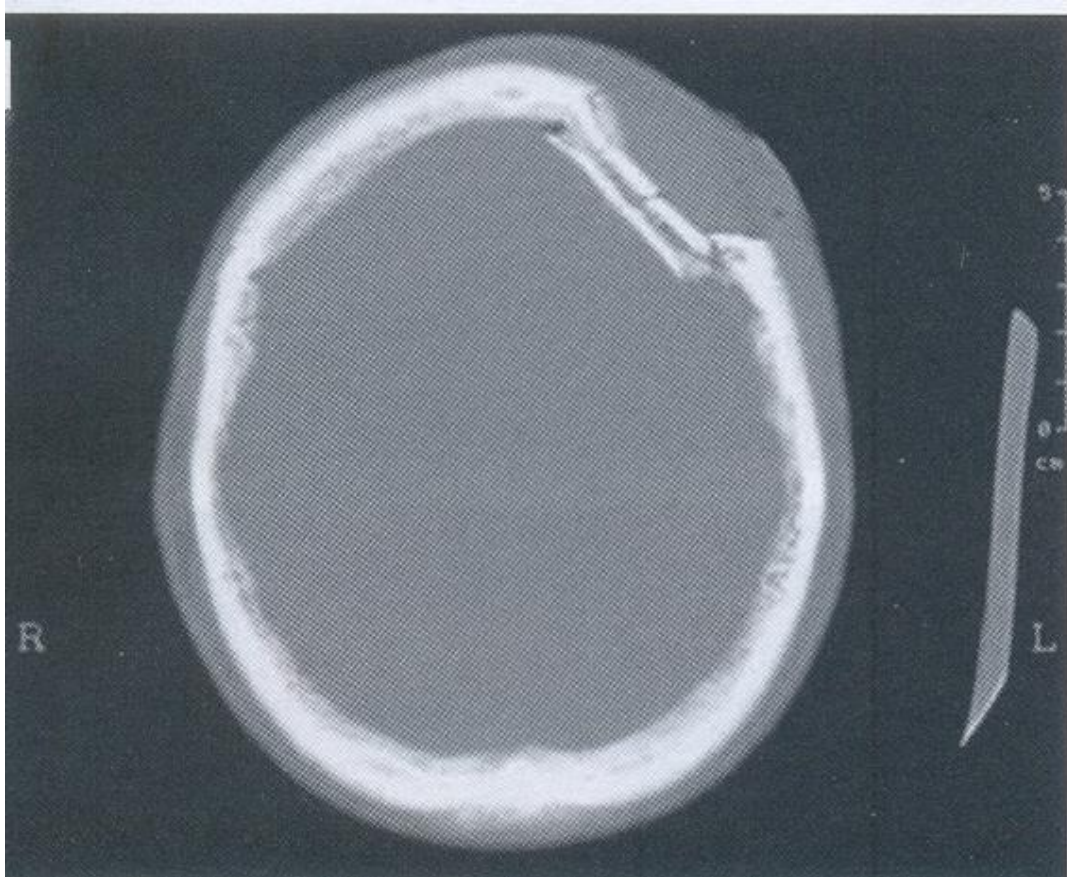
OSPE SURGICAL UNIT-II

Static Station Neurosurgery

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the given image and answer the following questions.



- | | |
|---|---|
| 1. Identify the image. | 1 |
| 2. What is the abnormality in this image? | 1 |
| 3. What clinical features may be present in this patient? | 1 |
| 4. What is the treatment of this abnormality? | 2 |

Key

- | | | |
|----|--|---|
| 1. | C.T scan of skull. | 1 |
| 2. | Depressed fracture of skull vault. | 1 |
| 3. | a. History of head injury with a blunt object. | 1 |
| | b. Presence of a palpable depression of skull | |
| | c. Signs of raised intracranial pressure | |
| 4. | Craniotomy and elevation of the depressed segment. | 2 |

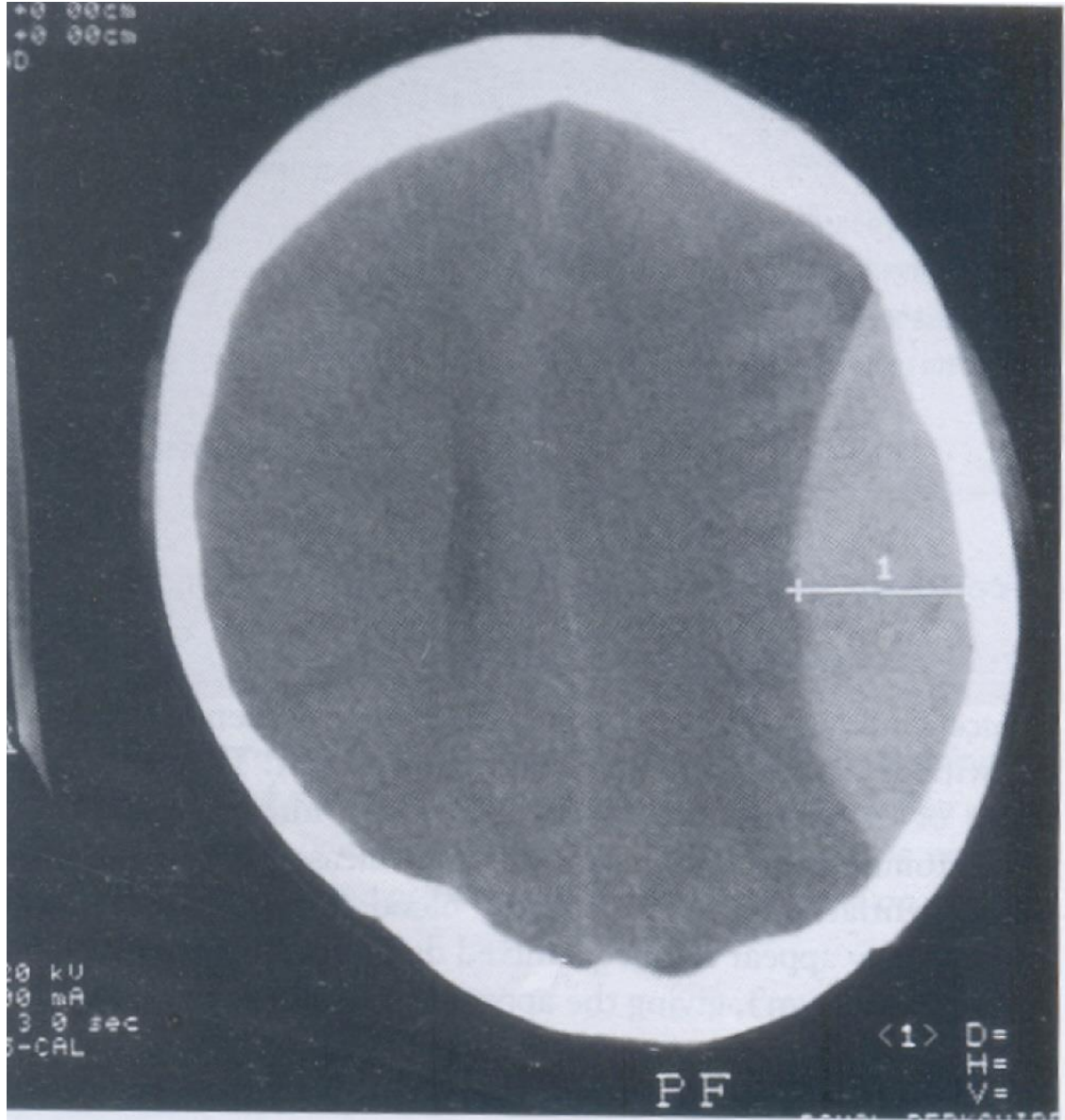
OSPE SURGICAL UNIT-II

Static Station Neurosurgery

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the radiograph and answer the following questions.



- | | | |
|-----|--|-----|
| (1) | What is this investigation? | 1 |
| (2) | What are clinical features expected in this condition? | 1.5 |
| (3) | What is the total score of Glasgow Coma Scale (GCS)? | 1 |
| (4) | How is this condition treated? | 1.5 |

Key

Extra dural haematoma	1
	1.5
a. History of temporary loss of consciousness after trauma	
b. Lucid interval	
c. Later confusion, irritability	
d. Initially pupillary constriction Later dilatation Finally unconsciousness	
Total score in a normal conscious person is 15.	1
By craniotomy and evacuation of haematoma	1.5

OSPE SURGICAL UNIT-II

Static Station Anaesthesia

Time Allowed: 05 minutes

Instructions to candidates:



- | | |
|--|-----|
| 1. Identify this object? | 1 |
| 2. Name its parts? | 1.5 |
| 3. Write three indications of this instrument? | 1.5 |
| 4. How is this instrument sterilized? | 1 |

Key

1. Endotracheal tube	1
2. Tip, Cuff or balloon, Connector	1.5
3. a. Upper airway obstruction	1.5
b. Upper airway obstruction	
c. Unconscious patient	
d. Ventilation support	
4. Gamma radiation	1

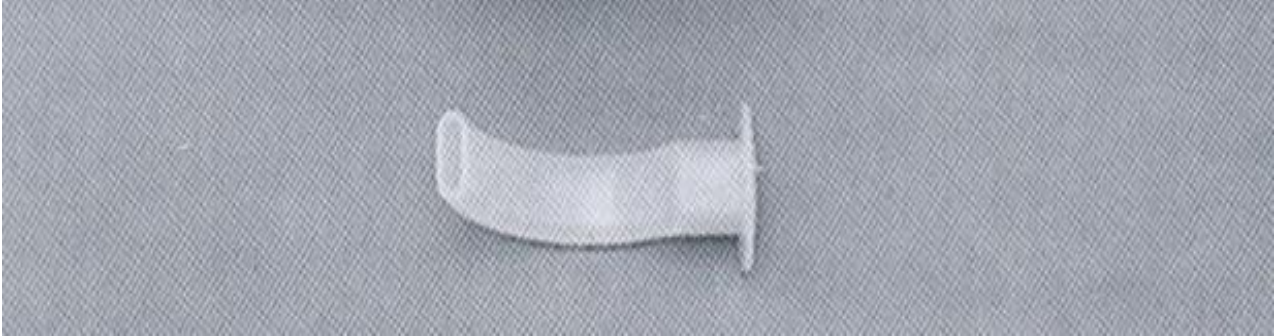
OSPE SURGICAL UNIT-II

Static Station Anaesthesia

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observed object and answer the following question



- | | |
|--|---|
| 1. Identify | 1 |
| 2. What is the indication for its use? | 1 |
| 3. How it is sterilized? | 1 |
| 4. What are other options available? | 2 |

Key

1. Oropharyngeal Airway	1
2. To maintain airway	1
3. Gamma radiations	1
4.	2
a. Endotracheal tube intubation	
b. Tracheostomy	

Interactive Stations

General Surgery

OSPE SURGICAL UNIT-II

Interactive Station

Time Allowed: 05 minutes

Instructions to candidates:



- | | |
|--|---|
| 1. What is this? | 1 |
| 2. What is the abnormality in this case? | 1 |
| 3. What problem this lesion gives to the patient? | 1 |
| 4. What other investigations are required to confirm this diagnosis? | 1 |
| 5. What is the treatment of this condition? | 1 |

Key

- | | |
|--------------------------------------|---|
| 1. Barium swallow | 1 |
| 2. Malignant stricture of oesophagus | 1 |
| 3. Progressive dysphagia | 1 |
| 4. | 1 |
| a. Oesophagoscopy & biopsy | |
| b. Exfoliative cytology | |
| c. Endoscopic ultrasound | |
| 5. Oesophagectomy | 1 |

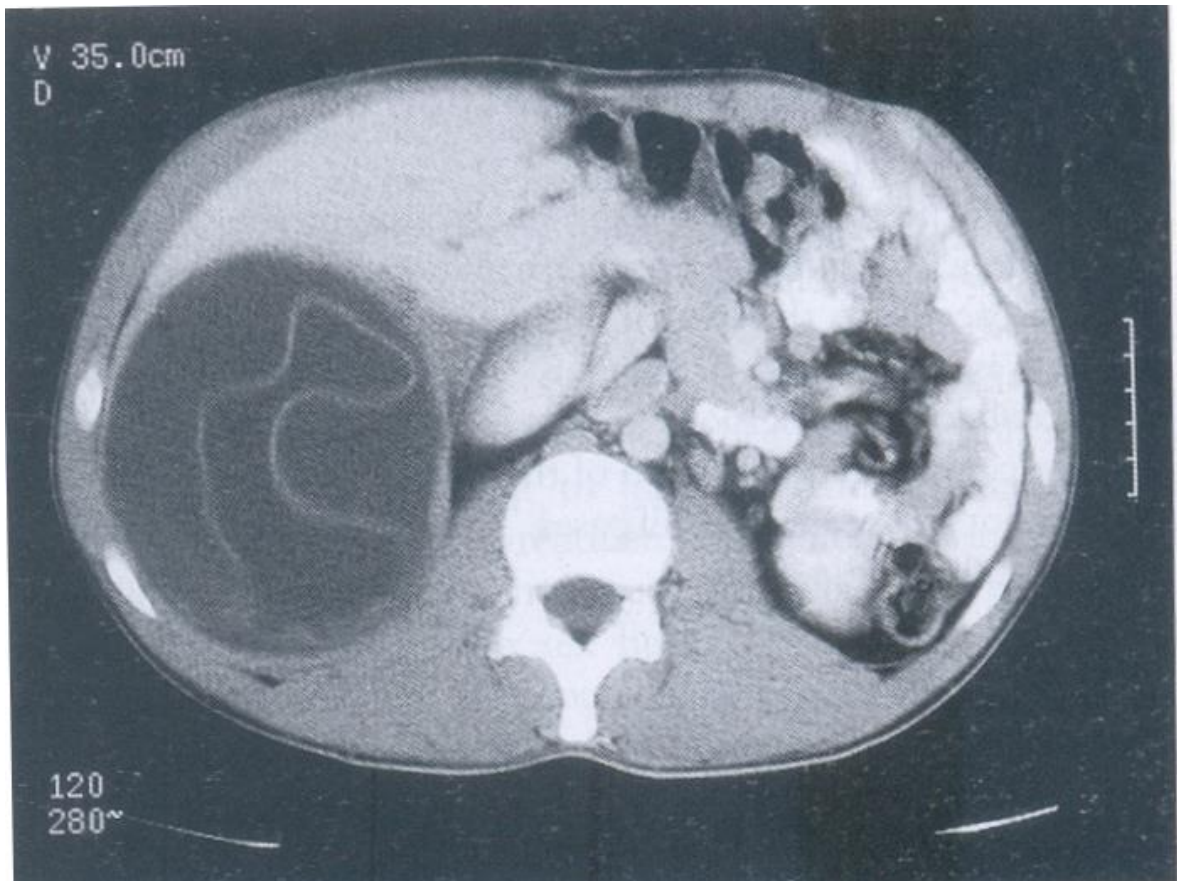
OSPE SURGICAL UNIT-II

Interactive Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the provided radiography studies and answer the following questions.



- | | | |
|-----|--|-----|
| (1) | What is this investigation? | 1 |
| (2) | Give the diagnosis | 1 |
| (3) | What are the other labs Investigations which help in making diagnosis of hydatid cyst? | 1.5 |
| (4) | Name the parasite which is responsible for this disease. | 1.5 |

Key

- | | |
|-----------------------------------|-----|
| 1. C.T Scan abdomen | 1 |
| 2. Hydatid cyst | 1 |
| 3. | 1.5 |
| a. Complement fixation test | |
| b. Indirect hemagglutination test | |
| c. Casoni test | |
| 4. Echinococcus Granulosus | 1.5 |

OSPE SURGICAL UNIT-II

Interactive Station

Time Allowed: 05 minutes

Instructions to candidates:

Carefully observe the given photograph and answer the following questions.



- | | |
|---|-----|
| 1. Identify the structures. | 1 |
| 2. What are the different incisions used for operation? | 1 |
| 3. What are the complications of this operation? | 1.5 |
| 4. What are three complications of this disease? | 1.5 |

Key

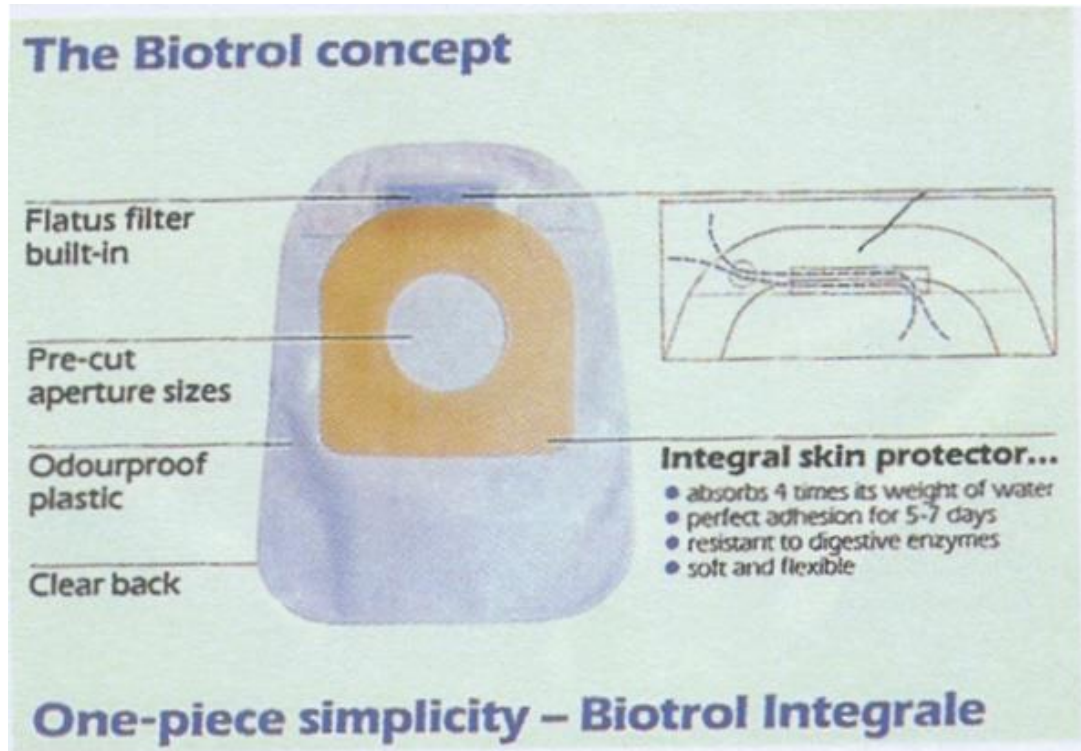
1.	Appendix with caecum	1
2.		
	a. Gridiron incision	0.5
	b. Lanz incision	0.5
3.		
	a. Wound infection	0.5
	b. Fecal fistula	0.5
	c. Adhesion & obstruction	0.5
4.		
	a. Perforation	0.5
	b. Appendicular mass	0.5
	c. Appendicular abscess	0.5

OSPE SURGICAL UNIT-II

Interactive Station

Time Allowed: 05 minutes

Instructions to candidates:



- | | |
|---|-----|
| 1. Identify the object. | 1 |
| 2. What are the indications of colostomy? | 1 |
| 3. What are the complications of colostomy? | 1.5 |
| 4. How site is selected for setting of bag? | 1.5 |

Key

1. Colostomy bag
2.
 - a. To divert faeces and flatus to the exterior for temporary defunctioning of gut in anastomosis
 - b. To give rest and time in healing of distal lesion after surgical repair
 - c. For permanent collection of faeces and fluid in permanent colostomy
3.
 - a. Prolapse
 - b. Retraction
 - c. Parastomal hernia
4. The best site is through lateral edge of rectus sheath, 6 cm above and medial to bony prominence of anterior superior iliac spine