

[LD 0212]

AUGUST 2013

Sub.Code :1022

**B.Sc ACCIDENT AND EMERGENCY CARE TECHNOLOGY
THIRD YEAR**

Paper II – EMERGENCY SURGERY

Q.P Code : 801022

Time : Three hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on :

(3X10=30)

1. Give an account of acute appendicitis and its management.
2. Discuss in detail the treatment of urinary bladder tear in road traffic accident.
3. Discuss the causes and treatment of Splenic injury.

II. Write Notes on:

(8x5=40)

1. Causes and treatment of acute intestinal obstruction.
2. Differences between superficial and deep burns and their management.
3. Differences between Gastric and duodenal ulcer.
4. Discuss treatment of tension pneumothorax.
5. Diagnosis and treatment of Torsion Testis.
6. Different types of wounds and principles of their management.
7. Treatment of acute haematemesis.
8. Write briefly about regional anaesthesia.

III. Short Answers on:

(10x3=30)

1. Calculus cholecystitis.
2. Causes of acute pancreatitis
3. Radiological diagnosis of duodenal ulcer perforation.
4. Treatment of corrosive oesophagitis
5. Complications of inguinal hernia.
6. What is HEIMLICH MANEUVER?
7. Different types of abdominal incisions.
8. Diagnosis of acute diaphragmatic rupture.
9. Treatment of renal colic
10. Diagnosis of foreign bodies in oesophagus.

[LE 0212]

FEBRUARY 2014

Sub.Code :1022

**B.Sc ACCIDENT AND EMERGENCY CARE TECHNOLOGY
THIRD YEAR**

Paper II – EMERGENCY SURGERY

Q.P Code : 801022

Time : Three hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on :

(3X10=30)

1. Discuss etiology, symptoms, investigation and treatment of acute cholecystitis.
2. Discuss in detail causes, diagnosis and treatment of acute diaphragmatic hernia.
3. How do you treat the patient with acute massive haematemesis?

II. Write Notes on:

(8x5=40)

1. Complications of Spinal Anaesthesia.
2. Cleaning of Lacerated wound
3. Treatment of Electrical Burns.
4. Aetiology of Peptic ulcer in duodenum
5. Symptoms and diagnosis of acute pancreatitis
6. Treatment of acute intestinal obstruction
7. Treatment of Torsion testis.
8. Aetiology and treatment of acute renal colic.

III. Short Answers on:

(10x3=30)

1. Causes and treatment of Haemothorax
2. Layers of closure of midline abdominal incision.
3. Causes of malena.
4. Symptoms and Signs of Acute appendicitis.
5. Treatment of Scalds
6. Causes of acute retention of urine.
7. Treatment of acute, thrombosed , prolapsed pile mass
8. Uses of local anaesthesia.
9. Indications for tracheostomy
10. What is HEIMLICH MANEUVER?

[LF 0212]

AUGUST 2014

Sub.Code :1022

B.Sc ACCIDENT AND EMERGENCY CARE TECHNOLOGY

THIRD YEAR

Paper II – EMERGENCY SURGERY

Q.P Code : 801022

Time : Three hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. 32 year old gentleman fell off bike in a road traffic accident. He was not wearing helmet. He was complaining of neck, left lower chest and left upper abdominal pain. What are the possible injuries? How will you assess, investigate and initially manage this patient?
2. What are the indications for intercostal drain (ICD) in casualty. Describe the technique of placing intercostals drain. What are the complications of intercostals drain?
3. 50 year old diabetic lady presents with three days history of right upper abdominal pain. What are the possible differential diagnosis? How do you investigate and manage a patient with acute calculus cholecystitis?

II. Write Notes on:

(8 x 5 = 40)

1. Mention the common local anaesthetic agents used in Accident & Emergency care. Clinical indications of usage for each drug and their respective side affects.
2. Describe the types of wound healing.
3. How do you clean and dress a grossly contaminated ragged wound in the leg?
4. Describe the initial management of electrical burns.
5. 50 year old female complaints of throat pain after eating fish. What would you do?
6. 25 year old man was stabbed in the upper abdomen towards the midline. What are all the possible organ injuries?
7. Treatment of a patient with proven duodenal ulcer.
8. Describe the investigations and initial management of acute pancreatitis.

III. Short Answers on:

(10 x 3 = 30)

1. 65 year old woman presents with rectal bleeding. What could be the causes?
2. What are the causes of peptic ulcer?
3. What are the types of cells in pancreas and what do they secrete?
4. Clinical features of cardiac tamponade following chest trauma.
5. What are the symptoms and signs of renal colic?
6. What are the complications of tracheostomy?
7. What are the causes of acute onset testicular pain?
8. Describe the clinical features of acute appendicitis.
9. Treatment options of chronic pancreatitis.
10. Clinical features of urinary bladder reapture.

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

THIRD YEAR

PAPER II – EMERGENCY SURGERY

Q.P. Code: 801022

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Note on skin anatomy. Describe the classification of Burns and how will you manage a Burns patient in Emergency Department.
2. 25 years old female patient with sudden onset abdominal pain, what are the differential diagnoses of this patient. How will you investigate and manage a ectopic pregnancy?
3. Pathophysiology of wound healing. Describe the types of common wounds, cleaning of wound and its treatment.

II. Write notes on:

(8 x 5 = 40)

1. Investigation and Management of a patient with acute calculus cholecystitis.
2. Difference between Gastric ulcer and duodenal ulcer.
3. Acute appendicitis.
4. List the Etiology of pancreatitis in adult.
5. Possible differential diagnosis of a stab injury over the upper abdomen.
6. Describe the life threatening emergencies of chest trauma.
7. Paralytic ileus, clinical features, investigations and management.
8. What are the complications of Tracheostomy?

III. Short answers on:

(10 x 3 = 30)

1. Note on regional anaesthesia.
2. Maneuvar for chocking.
3. 50 years old female complaints of throat pain after eating fish. What would do?
4. Treatment of corrosive oesophagitis.
5. Clinical features of uretric colic.
6. Diagnosis and treatment of testicular torsion.
7. Treatment of acute haematamesis.
8. Causes and treatment of splenic injury
9. Causes of rectal bleeding.
10. Initial approach to the patient with crush injury.

[LI 0216]

FEBRUARY 2016

Sub. Code: 1022

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

THIRD YEAR

PAPER II – EMERGENCY SURGERY

Q.P. Code: 801022

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. 20 years old boy presents with 1 day history of right lower quadrant abdominal pain and multiple episodes of vomiting. What is the possible differential diagnosis? How do you investigate and manage a patient with acute appendicitis?
2. Explain in details the types and management of burns.
3. Explain about initial approach and management of patient with crush injury.

II. Write notes on:

(8 x 5 = 40)

1. Pathophysiology of fracture healing.
2. Draw and label the parts of skin anatomy.
3. What are the local anaesthetic agents used in emergency department?
4. Clinical features and treatment of Torsion of testis.
5. Acute pancreatitis.
6. What are the possible injuries of penetrating abdominal trauma? How will you approach the patient?
7. Differential diagnosis of upper GI Bleed. How will you prevent and treat gastric ulcer?
8. Explain the procedure of needle thoracocentesis?

III. Short answers on:

(10 x 3 = 30)

1. What are the life threatening emergencies in chest trauma?
2. Types of common wounds.
3. Clinical features of electric burns.
4. Signs and symptoms of renal colic.
5. Name 3 conditions presenting with epigastric pain.
6. What are the complications of central venous access?
7. Signs and symptoms of intestinal obstruction.
8. Complications of pancreatitis.
9. Signs and symptom of cholecystitis.
10. Name 3 complications of inguinal hernia.

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

THIRD YEAR

PAPER II – EMERGENCY SURGERY

Q.P. Code: 801022

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Draw and mark the parts of skin anatomy. Describe the classification of Burns and how will you investigate and manage a burns patient in ED?
2. 30 years old gentleman fell off from bike in RTA. He was not wearing helmet and complaining of neck, left lower chest and left upper abdominal pain. What are the possible injuries? How will you assess, investigate and initially manage the patient?
3. What are the indications for tracheostomy in ED and describe the procedure of inserting a tracheostomy tube for a patient and its complications? Write a note on tracheostomy care given in ICU.

II. Write notes on:

(8 x 5 = 40)

1. Discuss clinical feature and treatment of tension pneumothorax.
2. Difference between Gastric and duodenal ulcer.
3. Clinical features of Torsion testis, note on ED Management.
4. Investigation and management of Acute Appendicitis.
5. Approach to a Crush injury patient of lower limb in ED.
6. Treatment of acute intestinal obstruction.
7. Etiology and management of lower GI Bleed.
8. Approach to a child with ingestion of Button battery.

III. Short answers on:

(10 x 3 = 30)

1. How will you assist a central venous access procedure?
2. What is Heimlich Maneuver?
3. Clinical features of Acute pancreatitis.
4. Strangulated hernia complications.
5. Treatment of acute haematemesis.
6. Note on Mesenteric avulsion.
7. Treatment of acute prolapsed pile mass.
8. Etiology of cholecystitis.
9. Six steps of rapid sequence intubation.
10. Principles of local anaesthesia in ED.

[LK 0217]

FEBRUARY 2017

Sub. Code: 1022

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

THIRD YEAR

PAPER II – EMERGENCY SURGERY

Q.P. Code: 801022

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Pathophysiology of wound healing and stages of wound healing. Describe the types of common wounds, cleaning of wounds and its treatment.
2. Discuss in detail the causes, diagnosis and treatment of acute diaphragmatic hernia.
3. What are the indications for intercostal drain in ED? Describe the technique of placing intercostal drain. What are the complication of intercostal drain?

II. Write notes on:

(8 x 5 = 40)

1. Possible differential diagnosis of stab injury over the upper abdomen.
2. Etiology and management of acute pancreatitis.
3. Describe the life threatening emergencies of chest trauma.
4. How will you relieve choking in adult and children?
5. Foley's catheter manipulation of esophageal foreign bodies.
6. Approach to a child with coin ingestion.
7. Etiology and management of upper GI Bleeding.
8. Principles of local anaesthesia and its applications in ED.

III. Short answers on:

(10 x 3 = 30)

1. Treatment of testicular torsion.
2. RSI (Rapid sequence intubation) steps.
3. Calculus cholecystitis.
4. Treatment of renal colic.
5. Complication of inguinal hernia.
6. Liver laceration management in ED.
7. Causes of Rectal Bleeding in elderly patient.
8. Primary assessment in Trauma patient.
9. Note on Tracheostomy care.
10. Corrosive poisoning management.

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

THIRD YEAR

PAPER II – EMERGENCY SURGERY

Q.P. Code: 801022

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. 19 years female patient with sudden onset abdominal pain.
Elaborate on the differential diagnosis of this patient. How will you investigate and manage a ectopic pregnancy?
2. What are the etiology of haematemesis and how will you treat a patient with acute massive haematemesis in ED?
3. Elaborate the steps and indications for Rapid sequence intubation.

II. Write notes on: **(8 x 5 = 40)**

1. Differences between superficial and deep burns and their management.
2. Differential diagnosis of a RTA patient with left upper quadrant pain and how will you manage the patient?
3. Indications, procedures steps of doing a ICD in ED.
4. Note on Regional anaesthesia and its application in ED.
5. Investigation and management of patient with acute calculus cholecystitis.
6. How will you examine a patient with Renal colic, describe the management of Renal colic?
7. Approach to a patient with fish bone in the throat in ED.
8. Types of common wound and cleaning of wound in ED.

III. Short answers on: **(10 x 3 = 30)**

1. Causes of Melena.
2. Treatment of Electrical Burns.
3. Stages of Wound Healing.
4. Indication for needle thoracocentesis.
5. Treatment of corrosive oesophagitis.
6. Diagnosis of acute diaphragmatic rupture.
7. Haemorrhoids treatment and advise in ED.
8. Causes of Acute Retention of urine.
9. What are the causes of peptic ulcer?
10. Paralytic ileus clinical features.

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

THIRD YEAR

PAPER II – EMERGENCY SURGERY

Q.P. Code: 801022

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Discuss the etiology of cholecystitis. Write a brief note on pathophysiology, clinical features, investigation and management of cholecystitis.
2. Draw the structure of skin. Classify burns. Write about the management protocol for a patient having 40% burns.
3. Classify wounds. Write about the cleansing of wounds. Write a note on wound management.

II. Write notes on:

(8 x 5 = 40)

1. Mention 5 causes of upper GI bleed. Write a note on Upper GI bleeding.
2. Write a note on etiology, clinical features and management of Renal colic.
3. Write a note on acute appendicitis.
4. Write a note on succinyl choline.
5. Write a note on etiopathogenesis and management of Acute pancreatitis.
6. Write a note on torsion testis.
7. Mention the steps of rapid sequence induction. Write a note on cricoid maneuver.
8. Define acid peptic disease. Write five differences between gastric and duodenal ulcer.

III. Short answers on:

(10 x 3 = 30)

1. Mention the layers pierced by spinal needle for lumbar puncture.
2. What is Cullen and grey turners sign.
3. Mention three causes of lower GI bleed.
4. Mention 3 different positions of appendix with diagram.
5. Mention 3 indications of cricothyroidectomy.
6. Write about the resuscitation maneuver for choking in a child.
7. Mention 3 causes of acute retention of urine.
8. Mention 3 causes of hollow viscus perforation.
9. Mention the layers of anterior abdominal wall.
10. Write about Modified parkland formula.

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY

THIRD YEAR

PAPER II – EMERGENCY SURGERY

Q.P. Code: 801022

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Discuss the causes of hollow viscous perforation. How will you manage a case of DU perforation?
2. Enumerate foreign bodies of Oesophagus. How will you treat a case of Artificial Denture swallowed by an old lady.
3. Classify Wounds. Discuss the treatment of Diabetic ulcer foot.

II. Write notes on:

(8 x 5 = 40)

1. Write about Factors affecting Wound healing.
2. How will you manage a case of Accidental ingestion of Acid?
3. Types of Chest Wall injury in Accidental wall collapse. Write treatment of Multiple rib fracture.
4. Enumerate causes of upper GI Bleed. Write management of Gastric Ulcer Bleeding.
5. What are the causes of Paralytic ileus? How will you manage?
6. Write about Deep dermal burns and their management.
7. Regional Anaesthesia.
8. Triage.

III. Short answers on:

(10 x 3 = 30)

1. Supra pubic puncture.
2. Treatment of Animal bite injury.
3. Prolapsed pile mass.
4. Succinyl choline.
5. Complications of Inguinal hernia.
6. Heimlich Manoeuvre.
7. Scalds management.
8. Rectal injury.
9. Crush injury.
10. Different types of Abdominal incisions.

B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY**THIRD YEAR****PAPER II – EMERGENCY SURGERY****Q.P. Code: 801022****Time: Three Hours****Maximum: 100 Marks****Answer all questions****I. Elaborate on:****(3 x 10 = 30)**

1. Discuss etiology of acid peptic disease.
Mention three differences between gastric and duodenal ulcer.
Management of 50 years old alcoholic presenting with acute hematemesis to emergency department with heart rate of 120/min and blood pressure of 80 systolic.
Mention the type of shock the patient is in and write five initial management protocols in Emergency department.
2. 50 years male travelling in a two wheeler hit against a tree. He has presented to emergency department with severe abdominal pain. His pulse rate is 125/min, BP 80 systolic. Classify and mention the features in hypovolemic shock. Write the management plan for the above patient in emergency department.
3. Define general anaesthesia. Write about the planes of anaesthesia. Mention any four drugs used for induction of anaesthesia. Write a note on Ketamine.

II. Write notes on:**(8 x 5 = 40)**

1. Mention 10 complications of spinal anaesthesia.
2. Write a note on etiology, clinical features and management of renal colic.
3. Mention the etiology and management of acute appendicitis.
4. Classify burns. Write about the management of a patient having 50% burns in emergency department.
5. Mention the types of esophageal foreign bodies. Draw a management plan for a 5 years old child who has ingested a coin.
6. Write a note on torsion testis.
7. Approach to a patient with crush injury of the lower limb in ED.
8. Classify wounds. Write about the management of lacerated wound in emergency.

III. Short answers on:**(10 x 3 = 30)**

1. Mention three different types of regional anaesthesia.
2. Mention the layers of closure of a midline abdominal incision.
3. Accidental drowning
4. Nose bleed in a child. What are the 3 steps to do?
5. Mention three indications of cricothyroidectomy.
6. Importance of pupil examination in head injury.
7. Mention three causes of acute retention of urine.
8. Mention three causes of acute cholecystitis.
9. Mention six steps of rapid sequence induction.
10. Mention three complications of acute pancreatitis.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 1022

**BACHELOR IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY
THIRD YEAR – (Regulation from 2010-2011)
PAPER II – EMERGENCY SURGERY
Q.P. Code: 801022**

Time: Three Hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. 50 years old Male patient presented to the Emergency Department with the alleged history Fall from tree of about 30 feet. On examination his HR 150/min, BP 80 systolic, GCS 15/15. Mention 4 skeletal injuries associated with fall from height. Mention about the Primary Assessment and Resuscitation for the above Patient. Mention the 3 mandatory Trauma series X-Ray.
2. Define Burns. Write about the classification of Burns. Mention the steps in the management of a patient with 50% Burns.
3. Describe about the types of Wounds. Mention about the pathophysiology and stages of Wound Healing. Write about Cleaning of Wounds.

II. Write notes on:

(8 x 5 = 40)

1. Mention 5 life Threatening Chest Injuries in Trauma and write about the one immediate Management of each.
2. Draw the cross section of Spinal Cord and its Layers. Mention 3 drugs used in Spinal Anaesthesia.
3. Write a note on Choking Maneuver in Adult and Paediatric.
4. Define Rapid Sequence Induction. Mention the steps of Rapid Sequence Induction.
5. Mention three Etiology and Management of Acute Cholecystitis.
6. Mention and define five different types of Hernia.
7. Mention five difference between Upper and Lower GI Bleed.
8. Indication of Needle Thoracocentesis. Write the steps of Needle Thoracocentesis.

III. Short answers on:

(10 x 3 = 30)

1. Mention three components of Becks Triad.
2. Mention three drugs used for Induction of Anaesthesia.
3. Mention three causes of Upper GI Bleed.
4. Mention three differences between Gastric and Duodenal Ulcer.
5. Mention three indications of Crico-Thyroidectomy.
6. Management of Flail Chest.
7. Mention three causes of Acute Retention of Urine.
8. Mention three signs of Acute Appendicitis.
9. Mention three clinical feature of Tension Pneumothorax.
10. Mention three complication of Acute Pancreatitis.
