

Roll no.

P-2708

M.S. EXAMINATION, APRIL, 2008

M.S. – GENERAL SURGERY

(Paper - I)

Time : 3 hours

Maximum Marks – 100

Note : Attempt all questions.

1. Discuss the following :

- | | | |
|-----|---|----------|
| (a) | Patho-physiology and classification of acute pancreatitis | 10 marks |
| (b) | Ulcerative colitis and surgical intervention | 10 marks |
| (c) | Approach to diagnosis and management of primary hyperparathyroidism | 10 marks |

2. Write in detail :

- | | | |
|-----|--------------------------------|----------|
| (a) | Risk factors for breast cancer | 10 marks |
| (b) | Hydatid disease | 10 marks |

3. Discuss the management of :

- | | | |
|-----|------------------------------|----------|
| (a) | Duodenal fistula | 10 marks |
| (b) | Lower gastrointestinal bleed | 10 marks |
| (c) | Hiatus hernia | 10 marks |

4. Write short notes on :

- | | | |
|-----|------------------|---------|
| (a) | Fistula-in-ano | 5 marks |
| (b) | MEN-II syndrome | 5 marks |
| (c) | Epididymorchitis | 5 marks |
| (d) | Achalasia cardia | 5 marks |

Roll no.

P-2709

M.S. EXAMINATION, APRIL, 2008

M.S. – GENERAL SURGERY

(Paper - II)

Time : 3 hours

Maximum Marks – 100

Note : Attempt all questions.

1. Write briefly on :

- | | | |
|-----|---|----------|
| (a) | Veress needle versus open technique of pneumoperitoneum | 10 marks |
| (b) | Autosomal dominant diseases | 10 marks |
| (c) | Faecal fistula | 10 marks |
| (d) | Solitary nodule thyroid | 10 marks |

2. Discuss the etiopathogenesis and management of obstructive jaundice. 36 marks

3. Write short notes on : 24 marks
(6 marks each)

- | | |
|-----|---------------------------|
| (a) | PET scan |
| (b) | Energy sources in surgery |
| (c) | Bariatric surgery |
| (d) | Metabolic alkalosis |
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P-2710

Roll no.

M.S. EXAMINATION, APRIL, 2008

M.S. – GENERAL SURGERY

(Paper - III)

Maximum Marks – 100

Time : 3 hours

Note : Attempt all questions.

1. Diagnosis and management of post-cholecystectomy biliary leak 10 marks
 2. Modern approaches to manage varicose veins 10 marks
 3. Current concepts in management of haemorrhoids 10 marks
 4. New trends in breast conservation therapy 10 marks
 5. Lumbar sympathectomy in thromboangitis obliterance 10 marks
 6. Describe metabolic response to trauma and sepsis 10 marks
 7. Discuss aetiology of neonatal intestinal obstruction 10 marks
 8. Discuss surgical management of abdominal trauma 10 marks
 9. Discuss clinical features, prevention and management of bed sores 10 marks
 10. Describe clinical features and investigations in a case of ileocaecal tuberculosis 10 marks
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Roll No.

P-37

M. S. EXAMINATION, April/May, 2009

GENERAL SURGERY

Paper First

(Basic Sciences as Applied to Surgery)

Time : Three Hours]

[Maximum Marks : 100

Note : Answer all questions.

1. (a) Describe the surgical anatomy of the neck triangles. 10
(b) Describe briefly the types and indications of neck dissection in head and neck cancers. 10
2. Describe briefly the following : 10 each
(a) Systemic Inflammatory response syndrome
(b) Anatomical basis of various types of skin flaps
3. Discuss briefly the following :
(a) Surgical anatomy of liver with emphasis on its relevance to liver resections. 10
(b) Marjolin's Ulcer. 10
4. Describe briefly the pathophysiology of rectal prolapse and its significance in the surgical management. 20
5. Write short notes on the following : 10 each
(a) Total Meso-Rectal Excision
(b) Tracheo-Oesophageal Fistula (Embryological Basis)
(c) Neural Tube Defects

Roll No.

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M. S. EXAMINATION, April/May, 2009

GENERAL SURGERY

Paper Second

(Principle and Practice of Surgery)

Time : Three Hours]

[Maximum Marks : 100

Note : Answer all questions.

1. Discuss management of upper G. I. Bleeding. 30
2. Explain management of advance cancer breast. 30
3. Write short notes on the following : 10 each
 - (i) Pheochromocytoma
 - (ii) Seminoma testis
 - (iii) Argentiphinoma
 - (iv) Nerve of Latarget

M. S. EXAMINATION, April/May, 2009

GENERAL SURGERY

Paper Third

(General Surgery Including Surgical Pathology)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

1. Discuss Pathogenesis, clinical features and management of Acute Pancreatitis. 25
2. Write short notes on the following : 25
 - (i) Gasto-Esophageal reflux disease
 - (ii) Current management of rectal cancer
3. Write short notes on the following : 25
 - (i) Management of diabetic foot
 - (ii) Cancer thyroid
4. Write short notes on the following : 25
 - (i) Hydatid disease of liver and life cycle of pathogen
 - (ii) C. B. D. stones

M. S. EXAMINATION, April/May 2009

GENERAL SURGERY

Paper Fourth

(General Surgery Including Recent Advances)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

1. Describe post-surgical severe sepsis and write its management. 15
2. Write common causes and approach to manage intraperitoneal abscesses. 15
3. Describe recent advances in the management of Haemorrhoids. 15
4. Write non-surgical and surgical management of the chronic peripheral arterial diseases of the lower extremities in general. 15
5. Write short notes on the following : 5 each
 - (i) Hyperkalemia
 - (ii) Glioblastomas
 - (iii) Musculocutaneous flaps
 - (iv) Patient controlled analgesia
6. Write in brief about the following : 10 each
 - (i) Management of cancer penis
 - (ii) Pancreatic pseudocyst

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PG- S-1

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

**MS GENERAL SURGERY
(PAPER ONE)**

GENERAL SURGERY INCLUDING BASIC MEDICAL SCIENCES & SURGICAL PATHOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Describe the laparoscopic anatomy of inguinal hernia & its surgical importance. (20)
- Q. 2. Describe the surgical anatomy and lymphatic drainage of stomach. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Systemic inflammatory response syndrome (SIRS)
 - b. Principal factors in surgical site infection
 - c. Transmission of HIV disease from patient to surgeon and its prevention.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Oncoplastic surgery
 - b. Angiogenesis
 - c. Enteral nutrition in surgical patients
 - d. Wound debridement
 - e. FNAC

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

MS GENERAL SURGERY

(PAPER TWO)

GENERAL SURGERY INCLUDING SUBSPECIALITIES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Discuss causes, clinical features and management of obstructive jaundice. (20)
- Q. 2. Discuss clinical features, causes, pathophysiology and management of toxic goitre. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Staging of breast cancer
 - b. Toilet - mastectomy
 - c. Carcinoma - penis
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Bone - grafting
 - b. MRI
 - c. Skin- grafts
 - d. Meckle's - diverticulum
 - e. Laparoscopic - staging

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

**MS GENERAL SURGERY
(PAPER THREE)**

GENERAL SURGERY INCLUDING RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Describe premalignant conditions, types, clinical features and treatment of carcinoma colon. (20)
- Q. 2. Describe cause, pathology, clinical features and treatment of hydronephrosis. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Approach to a patient with secondary in neck and unknown primary.
 - b. Metabolic response to trauma and infection.
 - c. Non variceal upper gastro-intestinal hemorrhage – advances in diagnosis and treatment.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Single incision laparoscopic surgery
 - b. Surgical anatomy of inguinal canal
 - c. Deep Vein thrombosis
 - d. Nipple discharge
 - e. Asymptomatic gall stone

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011**MS GENERAL SURGERY
(PAPER FOUR)****RECENT ADVANCES**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. While treating breast cancer what are the basic principles you consider regarding (i) Choice of primary therapy (ii) Surgical resection (iii) Adjuvant systemic therapy and (iv) Neoadjuvant therapy. (20)
- Q. 2. Describe clinical features and management of choledocholithiasis. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Recent advances in the treatment of carcinoma rectum.
 - b. Principles, types, applications and potential hazards of electrosurgery.
 - c. Discuss management of B.P.H.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Benefits of enteral feeding
 - b. Epidural anaesthesia
 - c. I.C.U. Syndrome
 - d. Ependymoma
 - e. Musculo-cutaneous flaps

POST GRADUATE EXAMINATION, APRIL- 2012

**MS GENERAL SURGERY
(PAPER ONE)**

GENERAL SURGERY INCLUDING BASIC MEDICAL SCIENCES & SURGICAL PATHOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Discuss the concept of sentinel lymph node biopsy in breast cancer. Describe the method of performing sentinel lymph node biopsy. (20)
- Q. 2.** Discuss the patho-physiology of venous ulcers. Describe the CEAP classification of various veins. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Apoptosis
 - b. Role of growth factors in wound healing
 - c. Complications and limitations of FNAC
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Antibiotic prophylaxis
 - b. Complications of parenteral nutrition
 - c. Universal precautions
 - d. ARDS
 - e. Nipple discharge

POST GRADUATE EXAMINATION, APRIL- 2012

MS GENERAL SURGERY

(PAPER TWO)

GENERAL SURGERY INCLUDING SUBSPECIALITIES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

Illustrate with suitable diagnosis.

Q. 1. Discuss clinical features and management of colorectal carcinoma. (20)

Q. 2. Discuss causes, clinical features, pathophysiology and management of multinodular goiter. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Breast conservative surgery
- b. Molecular biology of carcinoma stomach
- c. CABG

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Surgical options for maldescended testis
- b. Blow out fracture of maxilla
- c. Epidural anesthesia
- d. SDH versus EDH
- e. CT/ PET

POST GRADUATE EXAMINATION, APRIL- 2012

**MS GENERAL SURGERY
(PAPER THREE)**

GENERAL SURGERY INCLUDING RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Describe pathology, clinical features, evaluation and management of cancer head of pancreas. (20)
- Q. 2.** Describe clinical features, investigations and treatment of Renal Stone disease. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Carcinoma thyroid
 - b. Choledochal cyst
 - c. Oesophageal varices
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Pancost tumour
 - b. Surgical anatomy of inguinal canal
 - c. Tumor markers in gastro-intestinal malignancies
 - d. VATS indication and techniques
 - e. Nuclear imaging in general surgical practice

POST GRADUATE EXAMINATION, APRIL- 2012

**MS GENERAL SURGERY
(PAPER FOUR)**

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Describe clinical features and management of blunt trauma abdomen including recent advances (20)
- Q. 2.** Describe clinical features, investigations, differential diagnosis and treatment of renal cell carcinoma. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Recent advances in the treatment of varicose veins
 - b. Clinical features and treatment of Hirschsprung disease.
 - c. Immunotherapy
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Barrett oesophagus
 - b. Hypothermia
 - c. Negative pressure wound therapy
 - d. Premalignant conditions of anal canal
 - e. Meningiomas

POST GRADUATE EXAMINATION, MAY- 2013

**MS GENERAL SURGERY
(PAPER ONE)**

GENERAL SURGERY INCLUDING BASIC MEDICAL SCIENCES & SURGICAL PATHOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe pathophysiology and treatment of septic shock. (20)
- Q. 2.** Describe phases of wound healing. Discuss role of cytokines in wound healing. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Tumour metastasis
 - b. Intravenous hyperalimentation.
 - c. Multiple organ dysfunction syndrome.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Complications of blood transfusion
 - b. Universal precautions
 - c. Tests of hemostasis and blood coagulation
 - d. Carcinogens
 - e. Fine needle aspiration cytology.

POST GRADUATE EXAMINATION, MAY- 2013
MS GENERAL SURGERY
(PAPER TWO)
GENERAL SURGERY INCLUDING SUBSPECIALITIES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Write about cerebrospinal fluid. How will you manage a case of hydrocephalus? (20)

Q. 2. What are the various anorectal malformations and how are they managed? (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Congenital diaphragmatic hernia.
- b. Testicular tumors
- c. Various techniques to improve myocardial perfusion.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Diagnostic radiological investigations for small bowel pathology.
- b. Glial tumors.
- c. Brachytherapy
- d. Radioactive Iodine
- e. Difficult endotracheal intubation.

POST GRADUATE EXAMINATION, MAY- 2013

MS GENERAL SURGERY

(PAPER THREE)

GENERAL SURGERY INCLUDING RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
- Illustrate with suitable diagrams.

Q. 1. Describe pathology, clinical features, evaluation and management of cancer of Rectum. (20)

Q. 2. Describe clinical features, investigations and treatment of Benign Prostatic Hyperplasia. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

a. Salivary gland tumours

b. Burger's disease

c. GERD

Q. 4. Write short notes on: (5 x 6 = 30)

a. Spontaneous Pneumo- thorax.

b. DVT prophylaxis in surgical patients.

c. Fissure in Ano

d. Surgical anatomy of inguinal canal.

e. Laparoscopic incisional hernia repair.

POST GRADUATE EXAMINATION, MAY- 2013

**MS GENERAL SURGERY
(PAPER FOUR)**

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
- Illustrate with suitable diagrams.

Q. 1. Describe diagnostic tests in breast cancer and treatment options in early breast cancer including recent advances. (20)

Q. 2. Describe causes of extrahepatic jaundice, diagnostic workup and management strategies in malignant diseases of the biliary tract. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- Diagnosis and treatment of acute lower G.I. haemorrhage.
- Clinical features and management of oesophageal atresia.
- Approaches to pseudo cyst intervention.

Q. 4. Write short notes on: (5 x 6 = 30)

- Hydrocolloid dressings
- Transjugular intrahepatic porta systemic shunt (TIPS).
- Priapism
- Pneumoperitonium related complications
- Intermittent mandatory ventilation

POST GRADUATE EXAMINATION, SEPTEMBER- 2013

**MS GENERAL SURGERY
(PAPER ONE)**

GENERAL SURGERY INCLUDING BASIC MEDICAL SCIENCES & SURGICAL PATHOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Illustrate with suitable diagrams if required.

Q. 1. Describe pathophysiology of wound healing. Discuss factors adversely affecting wound healing. (20)

Q. 2. Describe pathology of abnormal cell growth. Discuss role of various carcinogens. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Systemic inflammatory response syndrome
- b. Risk factors adversely influencing peri-operative morbidity
- c. Principles of antimicrobial treatment

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Nutritional assessment of patient
- b. Massive blood transfusion
- c. Metabolic response of shock
- d. Role of monoclonal antibody in oncology
- e. AIDS and general surgeon

POST GRADUATE EXAMINATION, SEPTEMBER- 2013

**MS GENERAL SURGERY
(PAPER TWO)**

GENERAL SURGERY INCLUDING SUBSPECIALITIES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams if required.

- Q. 1.** What are the recent management options in benign prostatic hyperplasia? (20)
- Q. 2.** Discuss the various causes of intestinal obstruction in a child of 5 years and how will you manage them? (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Tracheoesophageal fistula
 - b. Various clefts of face
 - c. Nuclear studies of importance in surgical practice
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Daefecography
 - b. Patient controlled analgesia
 - c. Bone bank
 - d. Various types of shunt options in hydrocephalus
 - e. Beating heart surgery

POST GRADUATE EXAMINATION, SEPTEMBER- 2013

**MS GENERAL SURGERY
(PAPER THREE)**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

Illustrate with suitable diagrams if required.

Q. 1. Describe aetiopathogenesis, clinical features, investigations and management of chronic pancreatitis. (20)

Q. 2. Describe the classification, clinical features, investigation and staging and management of testicular tumours. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Recent advances in management of varicose veins.
- b. Intraperitoneal abscesses
- c. Malignant tumours of thyroid

4. Write short notes on: (5 x 6 = 30)

- a. Robotic surgery
- b. Achalasia cardia
- c. Fistula – in – Ano
- d. Empyema thoracic
- e. Laparoscopic groin hernia repair.

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POST GRADUATE EXAMINATION, SEPTEMBER- 2013

**MS GENERAL SURGERY
(PAPER FOUR)**

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Classify haemorrhagic shock and write management of hypovolumic shock incorporating recent advances. (20)
- Q. 2.** Write clinical presentation of rectal cancer and management of carcinoma rectum including recent developments. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Varicose veins – current management
 - b. Wrong – site surgery – can we prevent it
 - c. ARDS – pathogenesis and treatment
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Adynamic ileus
 - b. Synchronised intermittent mandatory ventilation
 - c. Natural orifice transluminal endoscopic surgery
 - d. PET – CT scan
 - e. Cystic hygroma

POST GRADUATE EXAMINATION, APRIL/MAY- 2014

**MS GENERAL SURGERY
(PAPER ONE)**

GENERAL SURGERY INCLUDING BASIC MEDICAL SCIENCES & SURGICAL PATHOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Enumerate the causes of Hypovolumic shock. Describe the grades, clinical features and pathophysiology of Hypovolumic shock. Give an outline of its management. (20)
- Q. 2.** Describe in detail the assessment and management of polytrauma in road traffic accident. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- Systemic inflammatory response syndrome.
 - Hypokalemia.
 - Management of surgical patient with human immunodeficiency virus (HIV).
- Q. 4.** Write short notes on: (5 x 6 = 30)
- Wound dehiscence
 - Tumour marker
 - Enteral feeding
 - Healing with secondary infection.
 - Fat embolism syndrome.

POST GRADUATE EXAMINATION, APRIL/MAY- 2014

MS GENERAL SURGERY

(PAPER TWO)

GENERAL SURGERY INCLUDING SUBSPECIALITIES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe the various clinical manifestations of genito-urinary tuberculosis. Discuss the relevant diagnostic investigations. (20)
- Q. 2.** Describe the etio-pathogenesis of Hirschsprung's disease. Discuss the management options in a patient of Hirschsprung's disease. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Full thickness skin grafts.
 - b. Pott's spine.
 - c. Clinical manifestation in extradural hematoma.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Tension pneumothorax.
 - b. Epidural anesthesia.
 - c. Trans rectal ultrasonography.
 - d. Complications of radiotherapy for oral cancer.
 - e. Radioisotopes in the diagnosis of gastro-intestinal hemorrhage.

POST GRADUATE EXAMINATION, APRIL/MAY- 2014

**MS GENERAL SURGERY
(PAPER THREE)**

GENERAL SURGERY INCLUDING RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe in detailed etiology, pathology, clinical features and management of chronic pancreatitis. (20)
- Q. 2.** Describe in detail causes, evaluation and management of oral carcinoma. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Management of chest trauma.
 - b. Acute thrombo-embolism lower limbs.
 - c. Anatomical and physiological basis of GERD.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Total mesorectal excision for CA rectum.
 - b. Axillary vein thrombosis.
 - c. Salivary gland tumors.
 - d. Prosthetic cardiac valves.
 - e. CBD stone.

POST GRADUATE EXAMINATION, APRIL/MAY- 2014

**MS GENERAL SURGERY
(PAPER FOUR)**

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe clinical features and recent advances in the management of the carcinoma rectum. (20)
- Q. 2.** Classify malignant tumours of the thyroid, describe diagnostic evaluation and management strategies for various types of these cancers. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Various options in surgical management of morbid obesity.
 - b. Journey from systemic inflammatory response syndrome to multiorgan dysfunction syndrome in septic shock.
 - c. Management concepts in abdominal trauma.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. G.I.T. changes in severe burn injury.
 - b. Stapled haemorrhoidopexy.
 - c. Enteral versus parenteral nutrition.
 - d. Argon plasma coagulation
 - e. SILS.

POST GRADUATE EXAMINATION, APRIL - 2015

**MS GENERAL SURGERY
(PAPER ONE)**

**BASIC PRINCIPLES IN SURGERY; SURGICAL PATHOLOGY AND IMAGING; PERI-
OPERATIVE MANAGEMENT; TRAUMA AND CRITICAL CARE**

[Time allotted: Three hours]

[Max Marks: 100]

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss briefly the triangles of neck and indications, types and techniques of neck dissections performed for head and neck cancers. (20)

Q. 2. Describe various 'levels of evidence' in research and discuss the types of clinical trials. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. The Couinaud's segments of Liver.
- b. The 'Triangle of Doom'.
- c. Management of chronic pain.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Chronic limb ischaemia.
- b. Lymphatic drainage of breast.
- c. Palliative care
- d. Robots in Surgery.
- e. Total parenteral nutrition.

POST GRADUATE EXAMINATION, APRIL - 2015

**MS GENERAL SURGERY
(PAPER TWO)**

SPECIALITIES IN GENERAL SURGERY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** What are the causes of obstructive jaundice? Discuss in detail the management of periampullary carcinoma. (20)
- Q. 2.** What is the etiopathogenesis of carcinoma breast? Describe in detail the surgical options for breast reconstruction after mastectomy. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Types & management of hypospadias.
 - b. Thyroglossal cyst.
 - c. Types & management of tracheo-oesophageal fistula.
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Meningomyelocele.
 - b. Rodent ulcer.
 - c. Fluid management in burns.
 - d. Complications of spinal anaesthesia.
 - e. Achalasia cardia

POST GRADUATE EXAMINATION, APRIL - 2015

**MS GENERAL SURGERY
(PAPER THREE)**

GENERAL SURGERY : ABDOMEN

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1. Describe etiology, pathogenesis, clinical features and current management options for a case of suspected gastro-esophageal reflux disease (GERD) in a middle aged obese male. (20)
- Q. 2. Describe the detailed causes, evaluation and management of ongoing lower gastrointestinal bleed in an adult woman. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Management of blunt abdominal trauma with fracture pelvis.
 - b. Solitary thyroid nodule
 - c. Courvoisier's law with exceptions.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Robotic assisted laparoscopic surgery.
 - b. Radioimmunoscintigraphy in surgery.
 - c. Classification and management of biliary strictures.
 - d. HepatoRenal Syndrome.
 - e. Diaphragmatic hernia.

Library

Paper ID- 214

POST GRADUATE EXAMINATION, APRIL - 2015

**MS GENERAL SURGERY
(PAPER FOUR)**

RECENT ADVANCES IN GENERAL SURGERY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1. Describe the management and follow-up of a 28 years old BRCA-I gene mutation carrier with family history of breast and ovarian cancers. (20)
- Q. 2. Describe the contemporary minimally invasive management of rectal carcinoma. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Newer technology in operation theatre sterilization.
 - b. Stereo-tactic neurosurgery
 - c. Intra-operative investigations during hepato-biliary surgery.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Recent advances in management of pancreatic fistula.
 - ~~b. Fecal transplantation~~
 - c. New Delhi metallo beta-lactamase.
 - d. ABO incompatible renal transplantation protocol.
 - e. Artificial blood/ Synthetic blood.

Library

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POST GRADUATE EXAMINATION, MAY - 2016

**MS GENERAL SURGERY
(PAPER ONE)**

**BASIC PRINCIPLES IN SURGERY; SURGICAL PATHOLOGY AND IMAGING; PERI-
OPERATIVE MANAGEMENT; TRAUMA AND CRITICAL CARE**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe pathophysiology of peptic ulcer disease including the role of H. pylori. Explain how histamine receptor antagonists, proton pump inhibitors and vagotomy help in controlling acid secretion (20)
- Q. 2.** What is parenteral nutrition? What are the indications for T.P.N.? Calculate the energy requirement of a 70 kg patient and formulate a T.P.N. solution. Describe the laboratory monitoring of T.P.N. and various complications of T.P.N. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Perioperative considerations in a patient of diffuse toxic goiter.
 - b. Abdominal compartment syndrome.
 - c. Non-operative management for blunt trauma abdomen.
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. End of life care.
 - b. Blood supply and lymphatic drainage of breast (define levels of axillary lymph nodes and a sentinel lymph node)
 - c. Enterohepatic circulation of bile salts.
 - d. Anticoagulant therapy for D.V.T. (Indications, contra-indications, special precautions).
 - e. Damage control surgery.

X

POST GRADUATE EXAMINATION, MAY - 2016

**MS GENERAL SURGERY
(PAPER TWO)**

SPECIALITIES IN GENERAL SURGERY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. What are different morphologic types of gastric cancer? Describe clinical features, investigations and management of carcinoma stomach. (20)

Q. 2. Describe clinical features, evaluation and management of benign prostatic hyperplasia. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Congenital hypertrophic pyloric stenosis.
- b. Musculocutaneous flaps
- c. Diabetic foot gangrene

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Targeted therapies
- b. Brainstem Glioma
- c. Flail chest
- d. Boerhaave syndrome
- e. American society of anaesthesiologists physical status classification in surgical patients.

X

POST GRADUATE EXAMINATION, MAY - 2016

**MS GENERAL SURGERY
(PAPER THREE)**

GENERAL SURGERY : ABDOMEN

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss the management of carcinoma gall bladder. (20)

Q. 2. Discuss abdominal trauma and its management on the lines of ATLS protocol. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Variceal upper GI bleeding
- b. GIST tumors of stomach
- c. Operations for rectal prolapse

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Restoratives procto-colostomy
- b. Complications of Whipple's procedure
- c. VAAFT
- d. Amoebic vs pyogenic liver abscess
- e. Operations for perforated gastric ulcer

X

POST GRADUATE EXAMINATION, MAY - 2016

**MS GENERAL SURGERY
(PAPER FOUR)**

RECENT ADVANCES IN GENERAL SURGERY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the current status, indications, recent advances in treatment and outcome of bariatric surgery. (20)

Q. 2. Describe immunological aspect of organ transplantation. Describe renal transplantation in brief. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. NOTES (natural Orifice Transluminal Endoscopic Surgery).
- b. Staplers in surgery
- c. Oxygen therapy

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Stem cell therapy
- b. Gene therapy
- c. Fast track surgery
- d. Retroperitoneoscopy
- e. Endovascular surgery

X

POST GRADUATE EXAMINATION, MAY - 2017

**MS GENERAL SURGERY
(PAPER ONE)**

**BASIC PRINCIPLES IN SURGERY; SURGICAL PATHOLOGY AND IMAGING; PERI-
OPERATIVE MANAGEMENT; TRAUMA AND CRITICAL CARE**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

Q. 1. Describe the surgical anatomy of diaphragm. Describe the clinical features and recent management of hiatus hernia. (20)

Q. 2. Describe the physiology of bilirubin metabolism related to surgery. Describe the management of obstructive jaundice. (20)

Q. 3. Describe briefly: (3 x 10 = 30)
a. Brain death and organ donation
b. Nuclear medicine imaging concepts, uses and hazards
c. Septic shock

Q. 4. Write short notes on: (5 x 6 = 30)
a. Surgical audit
b. DVT prophylaxis
c. Triage
d. Complications of blood transfusion
e. Conservative management of splenic injury.

X

POST GRADUATE EXAMINATION, MAY - 2017

**MS GENERAL SURGERY
(PAPER TWO)**

SPECIALITIES IN GENERAL SURGERY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

- Q. 1.** Describe the etiology, clinical features, diagnosis and staging of carcinoma of urinary bladder. Discuss the different treatment modalities for this condition. (20)
- Q. 2.** Describe the management of a 38 years old pre-menopausal female presenting with a 2 cm hard mobile retro-areolar lump in left breast with no skin involvement and no enlarged axillary lymph nodes. The F.N.A.C. report from the referring clinic shows an infiltrating ductal carcinoma of left breast. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- Surgical emergencies in Oncology
 - Ano-rectal malformation
 - Management of acute burns
- Q. 4. Write short notes on:** (5 x 6 = 30)
- Hydrocele
 - Renal calculi
 - Subdural hematoma
 - Maxillo-facial trauma
 - Tracheo-oesophageal fistula

X

POST GRADUATE EXAMINATION, MAY - 2017

**MS GENERAL SURGERY
(PAPER THREE)**

GENERAL SURGERY: ABDOMEN

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

- Q. 1.** Describe the etiopathogenesis of acute pancreatitis. Discuss complications of acute pancreatitis. (20)
- Q. 2.** Describe the risk factors and premalignant conditions for carcinoma stomach. Outline the various pathological classifications of this malignancy. What do you understand by the terms R0 /R1/R2 and D1/D2 resection? (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. The indications for surgery and the various operations for ulcerative colitis
 - b. Meckel's diverticulum
 - c. Barrett's esophagus
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Differential diagnosis of acute abdomen in a pregnant female. Highlight the clinical picture in each condition and list the important investigations to confirm/ rule out each diagnosis.
 - b. Hypersplenism
 - c. Obscure G.I. hemorrhage
 - d. Laparoscopic inguinal hernia repair
 - e. Primary peritonitis

X

POST GRADUATE EXAMINATION, MAY - 2017

MS GENERAL SURGERY

(PAPER FOUR)

RECENT ADVANCES IN GENERAL SURGERY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

Q. 1. Describe immunological aspect of organ transplantation. Describe in brief about renal transplantation. (20)

Q. 2. Enumerate the causes of bleeding per rectum and discuss the management of locally advanced rectal cancer. (20)

Q. 3. Describe briefly: (3 x 10 = 30)
a. Genetic basis of colonic diseases
b. Newer treatment options for varicose veins
c. Pancreatic necrosectomy

Q. 4. Write short notes on: (5 x 6 = 30)
a. Basic principles, benefits and applicability of robotic surgery.
b. POEM (Per Oral Endoscopic Myotomy)
c. Holmium laser in urology
d. Types of meshes used for hernia surgery
e. MIPH

X

POST GRADUATE (MD/ MS) EXAMINATION, SEPTEMBER/ OCTOBER - 2017

MS GENERAL SURGERY
(PAPER ONE)BASIC PRINCIPLES IN SURGERY; SURGICAL PATHOLOGY AND IMAGING;
PERI-OPERATIVE MANAGEMENT; TRAUMA AND CRITICAL CARE

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss the etiopathogenesis of gall stone formation. Enumerate complications of gallstones. (20)
- Q. 2.** Discuss risk factors for development of deep vein thrombosis (DVT). Describe the prophylaxis for development of DVT. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Symptoms and signs of hypocalcemia
 - b. Complications of blood transfusion
 - c. Damage control surgery
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Definition of brain death
 - b. Clinical features of cervical rib
 - c. Complications of total parenteral nutrition
 - d. Principles of primary survey of a polytrauma patient.
 - e. Utility of MRI for biliary tree.

X

POST GRADUATE (MD/ MS) EXAMINATION, SEPTEMBER/ OCTOBER - 2017

MS GENERAL SURGERY

(PAPER TWO)

SPECIALITIES IN GENERAL SURGERY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the various types of renal stones and discuss the management of ureteric calculus. **(20)**

Q. 2. Discuss the management of well differentiated carcinomas of the thyroid gland. **(20)**

Q. 3. Describe briefly: **(3 x 10 = 30)**

- a. Tracheo-esophageal fistula in newborn
- b. Breast reconstruction
- c. Empyema thoracis

Q. 4. Write short notes on: **(5 x 6 = 30)**

- a. Cystosarcoma phylloides
- b. Peyronni's disease
- c. Stereotactic neurosurgery
- d. Post operative pain management
- e. Meningocele

X

POST GRADUATE (MD/ MS) EXAMINATION, SEPTEMBER/ OCTOBER - 2017

**MS GENERAL SURGERY
(PAPER THREE)**

GENERAL SURGERY: ABDOMEN

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the aetiology, pathophysiology and management of peritonitis. (20)

Q. 2. Enumerate the causes of upper GI haemorrhage and discuss its management. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Discuss management of hydatid cyst of liver.
- b. Discuss the complications of acute pancreatitis.
- c. Differential diagnosis of mass right iliac fossa.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Choledochal cyst
- b. Carcinoid tumor
- c. Retroperitoneal fibrosis
- d. Femoral hernia
- e. Complications of stoma (colostomy)

X

POST GRADUATE (MD/ MS) EXAMINATION, SEPTEMBER/ OCTOBER - 2017

MS GENERAL SURGERY

(PAPER FOUR)

RECENT ADVANCES IN GENERAL SURGERY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe current status in the management of gall stone pancreatitis. (20)
- Q. 2.** Describe pathogenesis, diagnosis, classification and advanced treatments of Fistula-in-Ano. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Inotropic and pressor support in management of the patient with sepsis.
 - b. Gene expression profiling of breast cancer.
 - c. Modern prostate cancer management.
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Endoscopic ultrasound: How does it aid the surgeon?
 - b. Wrong-site surgery: Can we prevent it?
 - c. Single port laparoscopic surgery.
 - d. Meta-Analysis
 - e. Robotic surgery

X