

April-2001

[KD 201]

Sub. Code : 2214

M.S. DEGREE EXAMINATION

(Revised Regulations)

Branch I — General Surgery

Part II

Paper III — RECENT ADVANCES

Time : Three hours

Maximum : 100 marks.

Answer ALL questions.

1. What is radio nuclide imaging? Discuss its application in the management of patients. (25)
2. What are intestinal stomas? Describe the practical use of some of them. (25)
3. Short notes on : (5 × 10 = 50).
 - (a) DSA
 - (b) Porta systemic anastomoses
 - (c) Staplers in surgery
 - (d) ESWL
 - (e) Audit in surgery.

[KE 201]

Sub. Code : 2214

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch I — General Surgery

Part II

Paper III — RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss in detail the scope for organ transplantation. How will you transplant kidney? (25)
 2. Discuss the non surgical treatments of carcinoma oesophagus. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Sildenafil.
 - (b) Somatostatin.
 - (c) Alfa Fetoprotein (AFP).
 - (d) Sclerotherapy.
 - (e) Tamoxifen.
-

March-2002

[KG 201]

Sub. Code : 2214

M.S. DEGREE EXAMINATION,

(Revised Regulations)

Branch I — General Surgery

Part II

Paper III — RECENT ADVANCES

Time : Three hours

²Maximum : 100 marks

Answer ALL questions.

1. Discuss the clinical features and management of early breast cancer. (25)
 2. Discuss the conservative and surgical management of bleeding oesophageal varices. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Tumour markers.
 - (b) Branchial cyst.
 - (c) Surgery and Aids.
 - (d) Complications of laparoscopic surgery.
 - (e) Day care surgery.
-

September-2002

[KH 201]

Sub. Code : 2214

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch I — General Surgery

Part II

Paper III — RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What is the scope for Laparoscopic surgery? Write in detail about Laparoscopic cholecystectomy. (25)
 2. Discuss the clinical features, investigations and management of rupture of spleen. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Stereotactic surgery
 - (b) CT scan and MRI in general surgery
 - (c) Torsion testes
 - (d) Liver transplantation
 - (e) Monoclonal antibodies.
-

April-2003

[KI 201]

Sub. Code : 2214

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch I — General Surgery

Part II

Paper III — RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the surgical treatment of Obesity. (25)
 2. Discuss the management of non-variceal gastrointestinal haemorrhage. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Gene therapy
 - (b) Monoclonal antibodies
 - (c) Breast reconstruction
 - (d) Minimal access surgery
 - (e) Common Bile Duct stones.
-

[KJ 201]

Sub. Code : 2214

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch I — General Surgery

Part II

Paper III — RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

M.C.Q. must be answered **SEPARATELY** on the
answer sheet provided as per the instructions on the
first page of M.C.Q. booklet.

Answer **ALL** questions.

Draw suitable diagrams wherever necessary.

1. Describe Aetiopathogenesis of Benign prostatic
hyperplasia : Current trends in management of Benign
hyperplasia of prostate. (15)

2. Describe Breast (Reconstruction) surgery — New
techniques. (15)

3. Write short notes on :

- (a) MRCP.
- (b) Gene-Therapy for cancer.
- (c) Laparoscopic repair of Inguinal Hernia.
- (d) Endoscopic management of Biliary diseases.
- (e) TIPS.
- (f) Endoscopic ultrasonography.
- (g) New imaging for breast disease.
- (h) Digital subtraction Angiography.
- (i) Tissue Expanders in surgery.
- (j) Minimal access surgery in Acute Abdomen.

[KL 201]

Sub. Code : 221-4

II. Short Essay's :

(10 × 5 = 50)

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch I — General Surgery

Part II

Paper III — RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay Type Question : (2 × 15 = 30)

(1) Discuss the Management of Bleeding
Oesophageal Varices.

(2) Describe the investigation and tumour
markers in Breast Cancers.

- (a) Sclerotherapy.
- (b) Posterior Urethral Valves.
- (c) Oxalate Stones.
- (d) Polycystic Kidney.
- (e) Testicular torsion.
- (f) No Scalpel Vasectomy.
- (g) Perthe's test.
- (h) Liposarcoma.
- (i) Dermoid tumour.
- (j) Cavernous Haemangioma.

[KM 201]

Sub. Code : 2214

II. Short notes :

(10 × 5 = 50)

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch I — General Surgery

Part II

Paper III — RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Write an essay on :

(2 × 15 = 30)

(1) Describe the current trends in the management of common bile duct stones.

(2) Discuss the current concepts in the management of soft tissue sarcomas.

- (a) Monoclonal antibodies.
- (b) Complications of laparoscopic cholecystectomy.
- (c) Subfascial endoscopic surgery for varicose veins.
- (d) Staplers in surgery.
- (e) Stereotactic FNAC in breast.
- (f) Isolated limb perfusion therapy for melanoma.
- (g) Blood substitutes.
- (h) Day care surgery.
- (i) Self-expanding metallic stents in carcinoma esophagus.
- (j) Virtual colonoscopy.

[KO 201]

Sub. Code : 2214

M.S. DEGREE EXAMINATION.

Branch I — General Surgery

Paper III — RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

(1) Discuss Testicular Tumors.

(2) "Steroids" a boon or bane in surgical practice.

II. Short Essays : (10 × 5 = 50)

(a) Pyroni's disease

(b) Desmoid tumor

(c) Satellite nodules

(d) Bariatric surgery

(e) Hyperbaric oxygen

(f) Vulval malignancy

(g) ESWL

(h) Prostatism

(i) Conservative breast surgery

(j) Pseudopancreatic Cyst.

SEPTEMBER 2006

[KP 201]

Sub. Code : 2214

M.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch I — General Surgery

Part II

Paper III — RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(1) Discuss the aetiology, natural history and management of malignant melanoma of foot with special emphasis on diagnosis and prognostic factors.

(20)

(2) Discuss the recent advances in the investigations of peripheral arterial diseases.

(15)

(3) Discuss the diagnosis and surgical management of Hyperparathyroidism.

(15)

II. Short notes :

(6 × 5 = 30)

(a) Mycetoma foot

(b) Precautions on surgery of HIV patients

(c) Autoimmune thyroiditis

(d) Haemothorax

(e) Diagnostic Laparoscopy

(f) Tracheostomy.

MARCH 2007

[KQ 203]

Sub. Code : 2213

M.S. DEGREE EXAMINATION.

Branch I — General Surgery

RECENT ADVANCES

Common to

**Part II – Paper III — (Old/New/Revised Regulations)
(Candidates admitted from 1988-89 onwards)**

And

**Paper IV — (For candidates admitted from
2004-2005 onwards)**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

**1. Discuss the Recent Advances in the investigations
and management of peripheral Arterial diseases. (20)**

**2. Discuss the Diagnosis and management of Blunt
Abdominal Trauma. (15)**

**3. Mention the complication of Gall stones. Discuss
the Etiology, clinical features and management of Acute
Cholecystitis. (15)**

II. Short notes :

(6 × 5 = 30)

(a) Robotics in surgery.

(b) Venous ulcer – current perspectives.

(c) Surgical Management of obesity.

(d) Immuno histo chemistry.

(e) Bariatric Surgery.

(f) Meningomyelocele.

SEPTEMBER 2007

[KR 205]

Sub. Code : 2213

M.S. DEGREE EXAMINATION.

Branch I — General Surgery

RECENT ADVANCES

Common to

Part II — Paper III — (Old/New/Revised Regulations)

(Candidates admitted upto 2003-2004)

And

**Paper IV — (For candidates admitted from 2004-2005
onwards)**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

**1. Enumerate the causes of lower GIT bleeding and
write about the clinical features and management of
carcinoma ascending colon including recent advances.**

(20)

2. Discuss about lasers in general surgery. (15)

**3. Write about the aetiopathogenesis and
management of undescended testis. (15)**

II. Short notes : (6 × 5 = 30)

(a) Amyand's hernia.

(b) Budd-Chiari syndrome.

(c) Hyperbaric oxygen.

(d) MRCP.

(e) PCNL

(f) Paralytic ileus.

March-2008

[KS 205]

Sub. Code : 2213

M.S. DEGREE EXAMINATION.

Branch I — General Surgery

RECENT ADVANCES

Common to

Part II — Paper III — (Old/New/Revised Regulations)

(Candidates admitted upto 2003–2004)

and

**Paper IV — (For candidates admitted from 2004–2005
onwards)**

Q.P. Code : 222213

Time : Three hours

Maximum : 100 marks

I. Essay questions : (2 × 20 = 40)

**(1) Clinical features, diagnosis and recent trends
in management of early gastric malignancy. (20)**

**(2) Classification of inguinal hernia and modern
modalities of hernia management. (20)**

II. Short notes on :

(10 × 6 = 60)

- (1) Evidence based medicine.
- (2) Cryosurgery.
- (3) Tissue expansions.
- (4) Monoclonal antibody.
- (5) Robotic surgery.
- (6) MRCP (Magnetic Resonance Cholangio
Pancreatogram).
- (7) Sentinel node biopsy.
- (8) Cardiac Risk assessment in General Surgery.
- (9) Self expansile oesophageal stent.
- (10) Pneumoinflation for laparoscopy.

September 2008

[KT 205]

Sub. Code: 2213

M.S. DEGREE EXAMINATION

Branch I – General Surgery

RECENT ADVANCES

Common to

**Part II – Paper III – (Old/New/Revised Regulations)
(Candidates admitted upto 2003-04) and
Paper IV – (For candidates admitted from 2004-2005 onwards)**

Q.P. Code : 222213

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 X 20 = 40)

1. Discuss the Diagnosis, prognostic evaluation and treatment of Acute Pancreatitis.
2. Discuss the management of advanced breast cancer.

II. Write short notes on : (10 X 6 = 60)

1. Gynaecomastia.
 2. Endovenous laser surgery.
 3. Abdominal compartmental syndrome.
 4. Islet cell tumour.
 5. Volvulus neonatorum.
 6. Megaureter.
 7. Virtual colonoscopy
 8. Pelvic Abscess
 9. Courvesiers Law.
 10. Liver Biopsy.
-

March 2009

[KU 205]

Sub. Code: 2213

M.S. DEGREE EXAMINATION

Branch I – GENERAL SURGERY

Common to

**Part II - Paper III - (Candidates admitted upto 2003-2004) and
Paper IV - (for candidates admitted from 2004-05 to 2007-08)**

RECENT ADVANCES

Q.P. Code : 222213

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams wherever necessary

I. Essay questions : (2 x 20 = 40)

1. Classify lymphomas. Discuss clinical features and recent trends in the management of Hodgkin's disease.
2. Describe indications, techniques and management of problems in renal transplantation.

II. Write short notes on : (10 x 6 = 60)

1. Detection of early breast cancer.
2. Day care surgery.
3. Minimal access surgery.
4. Immunotherapy.
5. Intraluminal stents.
6. Herinoplasty.
7. Splenectomy.
8. Robotics in surgery.
9. Surgical ethics.
10. PET Scan.

September 2009

[KV 205]

Sub. Code: 2213

M.S. DEGREE EXAMINATION

Branch I – GENERAL SURGERY

Common to

Part II - Paper III - (Candidates admitted upto 2003-2004) and

Paper IV - (for candidates admitted from 2004-05 to 2007-08)

RECENT ADVANCES

Q.P. Code : 222213

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams wherever necessary

I. Essay questions :

(2 x 20 = 40)

1. Describe recent advances in anastomotic procedures in surgery.
2. Describe etiology, pathology, clinical features and management of intussusception.

II. Write short notes on :

(10 x 6 = 60)

1. Screening for carcinoma stomach.
2. Audit in surgery.
3. Evidence based surgery.
4. Pneumoinflation in laparoscopy.
5. Oxygen therapy.
6. Endoluminal vascular surgery.
7. Mammoplasty.
8. Cholangiocarcinoma.
9. Lasers in surgery.
10. ERCP.

March 2010

[KW 205]

Sub. Code: 2213

M.S. DEGREE EXAMINATION

Branch I – GENERAL SURGERY

Common to

**Paper IV - (for candidates admitted from 2004-05 to 2007-08) and
Part II / Paper III - (for candidates admitted from 2008-2009 onwards)**

RECENT ADVANCES

Q.P. Code : 222213

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams wherever necessary

I. Essay questions : (2 x 20 = 40)

1. Describe in detail surgical management of morbid obese patients.
2. Describe the anatomy, indications and various techniques involved in hepatic resection.

II. Write short notes on : (10 x 6 = 60)

1. Laser surgery.
2. Haemostatic sealants.
3. Megaureter.
4. Gene therapy.
5. Role of MRI in surgery.
6. Virtual colonoscopy.
7. AIDS prophylaxis.
8. Biliary stents.
9. Mammography.
10. Iodine¹³¹

September 2010

[KX 205]

Sub. Code: 2213

M.S. DEGREE EXAMINATION

Branch I – General Surgery

RECENT ADVANCES

**Paper IV - (for candidates admitted from 2004-05 to 2007-08) and
Part II - Paper III - (for candidates admitted from 2008-2009 onwards)**

Q.P. Code : 222213

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Discuss the Newer techniques in imaging the small bowel.
2. Describe in detail graft rejection after transplantation.

II. Write short notes on :

(10 X 6 = 60)

1. Blood substitutes.
2. Tissue Engineering.
3. Strategies for prevention of breast Carcinoma.
4. Lower gastrointestinal bleeding.
5. Limitations of minimal access surgery.
6. Postoperative fever.
7. Triage.
8. Harmonic Scalpel.
9. Endoscopic Ultrasound.
10. Iodine ¹³¹

May 2011

[KY 205]

Sub. Code: 2213

M.S. DEGREE EXAMINATION

BRANCH I – GENERAL SURGERY

RECENT ADVANCES

Q.P. Code : 222213

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
-------------------------	------------------------	-------------------------

- | | | | |
|---|----|----|----|
| 1. Describe recent advances in the Surgical Management of Chronic Pancreatitis. | 11 | 35 | 15 |
| 2. Discuss the recent trends of Therapeutic Endoscopy in Gastro Intestinal Cancers. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Haemostatic Sealants. | 4 | 10 | 7 |
| 2. Laser in Surgery. | 4 | 10 | 7 |
| 3. Audit in Surgery. | 4 | 10 | 7 |
| 4. Deep Vein Thrombosis. | 4 | 10 | 7 |
| 5. Tumor Markers. | 4 | 10 | 7 |
| 6. MRA. | 4 | 10 | 7 |
| 7. Triage. | 4 | 10 | 7 |
| 8. Breast Reconstruction. | 4 | 10 | 7 |
| 9. Recent advances in Operation Theater. | 4 | 10 | 7 |
| 10. Virtual Colonoscopy. | 4 | 10 | 7 |

October 2011

[KZ 205]

Sub. Code: 2213

M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
RECENT ADVANCES

Q.P. Code : 222213

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Role of Nuclear medicine in surgical diagnosis.	11	35	15
2. Discuss the Multi Organ Dysfunction Syndrome (MODS).	11	35	15

II. Write notes on :

1. Genetic engineering.	4	10	7
2. ESWL.	4	10	7
3. APACHE II scoring.	4	10	7
4. Raynaud's phenomenon.	4	10	7
5. Types of irradiation.	4	10	7
6. Small bowel transplant.	4	10	7
7. QUART.	4	10	7
8. Horse shoe kidney.	4	10	7
9. TIPS.	4	10	7
10. Imprint cytology.	4	10	7

APRIL 2012

[LA 205]

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
RECENT ADVANCES
Q.P. Code : 222213**

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

1. Discuss the recent advances in the endoscopic management of Hepatobiliary and pancreatic disorders.

16 35 15

2. Discuss the aetiopathology, clinical features and management of Diabetic Foot.

16 35 15

II. Write notes on:

1. Write notes on types of Biliary stents and their uses in surgical conditions.

4 10 7

2. Describe the surgical pathology, clinical features and management of Gastrinoma.

4 10 7

3. Write briefly about the Stem cell Transplantation.

4 10 7

4. Write notes on indications, care and Complications of Tracheostomy.

4 10 7

5. Describe the clinical features and management of Pilonidal sinus.

4 10 7

6. Briefly discuss the role of Chemoradiation in the treatment of Carcinoma of rectum.

4 10 7

7. Define Tourniquet and write about its uses and complications.

4 10 7

8. Discuss the clinical features and treatment of Pantaloon Hernia.

4 10 7

9. Write briefly about endoscopic management of Oesophageal variceal bleeding.

4 10 7

10. Describe the application and advantages and disadvantages of Minimal access surgery.

4 10 7

[LB 205]

OCTOBER 2012
M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
RECENT ADVANCES
Q.P. Code: 222213

Sub. Code: 2213

Time: 3 hours
(180 Min)

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Recent advances in surgical management of End stage Renal disease.	16	35	15
2. Recent advances in surgery of pelvic floor disorders	16	35	15

II. Write notes on:

1. MRI in carcinoma Gall Bladder	4	10	7
2. Photo dynamic therapy and its uses	4	10	7
3. Endovenous Laser treatment and its applications	4	10	7
4. Clinical application of epigenetics	4	10	7
5. Indications & Contra indications of laparoscopic pyelo plasty	4	10	7
6. Serum markers of Gastric carcinoma	4	10	7
7. Virtual gastroscopy – indications, uses and complications	4	10	7
8. Cervicoscopy and its uses	4	10	7
9. Breast reconstruction – advantages and disadvantages	4	10	7
10. Neoadjuvant chemo radiotherapy for pancreatic cancer	4	10	7

[LC 205]

APRIL 2013

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
RECENT ADVANCES**

Q.P. Code: 222213

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the recent trends in the management of varicose vein.
2. Discuss the use of drains in gastero intestinal surgery .

II. Write notes on:

(10 x 7 = 70)

1. Early diagnosis of Gastric Carcinoma
2. Recent advances in the management of fistula – in –ano.
3. Triage
4. Sentinel node biopsy
5. Surgery for morbid obesity
6. NOTES
7. Tissue engineering
8. Robotics in Surgery
9. Surgery for Facial palsy
10. Positron Emission Tomography

[LD 205]

OCTOBER 2013

Sub. Code: 2213

M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
RECENT ADVANCES

Q.P. Code: 222213

Time: Three Hours

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the clinical features, investigations and management of peripheral arterial occlusive disease.
2. What are the types of rectal prolapse? Discuss the clinical features, investigations and management of rectal prolapse.

II. Write notes on:

(10 x 7 = 70)

1. Role of Photodynamic therapy in malignancy.
2. Types of Porto systemic shunt procedures.
3. Clinical features of thoracic outlet syndrome.
4. Management of postoperative hypocalcemia.
5. Indications of Capsule endoscopy.
6. Role of Immunomodulators in cancer management.
7. Indications of Diagnostic laparoscopy.
8. Fournier's gangrene- Management.
9. Classification and treatment of Congenital diaphragmatic hernia.
10. Cancer pain management.

(LE 205)

APRIL 2014

Sub. Code:2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
RECENT ADVANCES**

Q.P.Code: 222213

Time: Three Hours

Maximum: 100 marks

I. Elaborate on: **(2X15=30)**

1. Discuss the current trends in management of soft tissue sarcoma.
2. Discuss current trends in Portosystemic shunt operations.

II. Write notes on: **(10X7=70)**

1. Disaster management.
2. Sterotactic biopsy.
3. Digital subtraction angiography.
4. Neuroplasty.
5. Surgery for Ascitis.
6. Selection of Renal transplant donor.
7. Hyperbaric Oxygen.
8. Monoclonal Antibodies.
9. ESWL.
10. Bariatric surgery.

(LF 205)

OCTOBER 2014

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV - RECENT ADVANCES**

Q.P.Code: 222213

Time: Three Hours

Maximum: 100 marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss recent advances in non surgical management of carcinoma oesophagus.
2. Discuss the aetiology, pathology, clinical features and surgical management of Parathyroid Adenoma.

II. Write notes on: **(10 x 7 = 70)**

1. Isolated limb perfusion.
2. Secondaries in bone.
3. Selection of donor for renal transplant.
4. Autoimmune thyroiditis.
5. Surgical hypertension.
6. Tumour Markers.
7. GIST.
8. Concepts of surgical reconstruction.
9. Creation of trauma centre.
10. Gene therapy.

[LG 205]

APRIL 2015

Sub. Code: 2213

M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES
Q.P. Code: 222213

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the differential diagnosis for acute abdomen. Discuss the clinical features, investigations and treatment of acute intussusception.
2. Describe the recent advances in the management of carcinoma breast. Write notes on screening of carcinoma breast.

II. Write notes on: **(10 x 7 = 70)**

1. Monoclonal antibodies.
2. Stereotactic biopsy.
3. Immunohistochemistry.
4. Diagnostic Laparoscopy.
5. Endoscopic ultrasound.
6. PTBD.
7. Sentinel node biopsy.
8. Neoadjuvant therapy.
9. Mesh options in open hernia surgery.
10. Staplers in Surgery.

[LH 205]

OCTOBER 2015

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P. Code: 222213

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Etiology, pathology, staging and management of malignant melanoma.
2. Discuss the aetiology clinical features and various types of management of pseudo pancreatic cyst.

II. Write notes on:

(10 x 7 = 70)

1. CBD Exploration.
2. Advanced Laparoscopic procedures.
3. Tissue expanders in surgery.
4. Steroids BOON or BANE in surgical practice.
5. Precautions in surgery of HIV patients.
6. ERCP.
7. Polyposis of colon.
8. Non epithelial tumours of stomach.
9. KLATSKIN TUMOUR.
10. Ischemic Colitis.

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P.Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Clinical features, diagnosis and recent trends in the management of early gastric malignancy.
2. Etiology, Clinical features and management of acute pancreatitis.

II. Write notes on:

(10 x 7 = 70)

1. Spleen conservation.
2. Biliary Injuries.
3. BI-RADS Grading.
4. Central venous monitoring.
5. Breast conserving surgery.
6. Focused abdominal sonography for trauma.
7. Hemostatic agents.
8. Total mesorectal Excision.
9. Mucoepidermoid carcinoma.
10. Sentinel lymph node biopsy.

(LJ 205)

OCTOBER 2016

Sub. Code:2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P.Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Recent advances in the management of Bariatric surgery.
2. Enumerate the types of abdominal tuberculosis. Clinical features, investigations, management of ileocecal tuberculosis.

II. Write notes on:

(10 x 7 = 70)

1. Composite mesh.
2. Diabetic foot.
3. Short bowel syndrome.
4. Entero- Cutaneous fistula.
5. Pathological classifications of ulcers.
6. ARDS (Adult respiratory distress syndrome).
7. Milroy's disease.
8. TAO.
9. Hartmann's procedure.
10. Empyema.

(LK 205)

MAY 2017

Sub. Code:2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P.Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Epidemiology, investigations and management of non-invasive breast carcinoma.
2. Etiology and management of upper GI bleeding.

II. Write notes on:

(10 x 7 = 70)

1. Diagnostic Laparoscopy.
2. Carcinoid tumors.
3. Choledochal cysts.
4. Radiology in Blunt injury abdomen.
5. Gastrointestinal stromal tumor.
6. Post G-J complications.
7. Malrotation of gut-surgical management.
8. Staplers in surgery.
9. Monoclonal Antibiotics.
10. Cholangiocarcinoma.

(LL 205)

OCTOBER 2017

Sub. Code:2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P.Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Describe the current concepts in the management of common bile duct stones.
2. Etiology, pathology, staging and management of malignant melanoma.

II. Write notes on: (10 x 7 = 70)

1. Endovenous laser surgery.
2. Immunotherapy.
3. PET Scans.
4. Intraluminal stents.
5. Pheochromocytoma.
6. Endoscopic ultrasonogram.
7. Tumour Markers.
8. Deep vein thrombosis.
9. Staplers in surgery.
10. Harmonic Scalpel.

[LM 205]

MAY 2018

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P.Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Surgical Management of Obesity.
2. Clinical features, Investigations and management of critical limb ischemia.

II. Write notes on:

(10 x 7 = 70)

1. Diaphragmatic Hernia.
2. Premalignant lesion of skin.
3. Irreversible shock.
4. Spurious diarrhoea.
5. Paratesticular tumors.
6. Staplers in surgery.
7. Surgical emergency in oncology.
8. Assessment of urinary outflow obstruction.
9. Hematuria.
10. Informed consent.

[LN 205]

OCTOBER 2018

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P. Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the recent advances in the investigations and management of peripheral Arterial diseases.
2. Classification of Inguinal Hernia and modern modalities of hernia management.

II. Write notes on:

(10 x 7 = 70)

1. Robotics in surgery.
2. Meningomyelocele.
3. Extra corporeal shock wave Lithotripsy (ESWL).
4. Exomphalos major.
5. Pneumoinflation for laparoscopy.
6. Endovenous laser surgery.
7. Mamography.
8. Gene therapy.
9. Oesophageal Stent.
10. Budd chiari syndrome.

M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES
Q.P. Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Etiopathogenesis, clinical features and management of Pseudomyxoma peritonei.
2. Embryology of parathyroid glands. Write the clinical features, investigations and management of Primary Hyperparathyroidism.

II. Write notes on: **(10 x 7 = 70)**

1. Management of Common Bile duct injury.
2. Assessment of margins in Breast cancer surgery.
3. Pyogenic liver abscess.
4. Natural Orifice Transluminal Endoscopic Surgery (NOTES).
5. PET scan.
6. Assessment of resectability in Pancreatic carcinoma.
7. Complications of Bariatric surgery.
8. Dermoid cyst.
9. Intussusception in children.
10. Hazards of ionizing radiation.

[LP 205]

OCTOBER 2019

Sub. Code: 2213

M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES
Q.P. Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Definition, etiology, Pathogenesis, clinical features and management of intra abdominal hypertension.
2. Etiology, classification, Pathogenesis, Clinical features and management of testicular tumour.

II. Write notes on: **(10 x 7 = 70)**

1. Spyglass.
2. Fistula in ano.
3. Component separation in hernial surgery.
4. Short bowel syndrome.
5. Prognostic factors in carcinoma breast.
6. Anastomosis.
7. Surgical hypertension.
8. Medullary carcinoma thyroid.
9. Hilar cholangio carcinoma.
10. Phylloides tumour.

[LQ 205]

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 2213

M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES
Q.P. Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Discuss the clinical features of blunt-injury abdomen and the modern trends in the management of splenic injuries.
2. Discuss the aetiology, clinical features and management of chronic pancreatitis

II. Write notes on: (10 x 7 = 70)

1. Hernia – en-glissade
2. Buerhavve syndrome
3. GIST
4. Small bowel transplant
5. Virtual colonoscopy
6. EIS 5
7. Selection of renal transplant donor
8. Congenital valve of posterior urethra
9. Harmonic scalpel
10. Role of photodynamic therapy in malignancy.

[LS 205]

NOVEMBER 2020
(OCTOBER 2020 SESSION)

Sub. Code: 2213

M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES
Q.P. Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Discuss clinical features and the recent advances in the management of peripheral artery disease.
2. Describe the pathology, clinical features and management of papillary carcinoma of thyroid.

II. Write notes on: (10 x 7 = 70)

1. Endoluminal vascular surgery
2. Surgical hypertension
3. Venous ulcer- current perspectives
4. Stem cell transplantation
5. Hypospadias
6. Hyperthermic intraperitoneal chemotherapy
7. MRCP
8. Digital subtraction angiography
9. Isolated limb perfusion therapy for melanoma
10. TIPS

[MS 0721]

JULY 2021
(MAY 2021 SESSION)

Sub. Code: 2213

M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES
Q.P. Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Discuss the etiology, clinical features and staging of carcinoma rectum. Give an account of management of carcinoma lower 1/3 of rectum.
2. Discuss breast conservation surgery. give an account of radiotherapy in carcinoma breast.

II. Write notes on: (10 x 7 = 70)

1. Capsule endoscopy.
2. Polycystic kidney.
3. Bioinks.
4. Gall Stone ileus.
5. Endoscopic mucosal resection.
6. Single incision laparoscopic surgery.
7. Sleeve gastrectomy.
8. Modern methods in management of fistula in ano.
9. Surgical hypertension.
10. Carcinoid tumour.

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

[MD 1121]

**NOVEMBER 2021
(OCTOBER 2021 SESSION)**

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P. Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Give an account of ORGAN TRANSPLANTATION. Explain in detail about Pancreatic Transplantation.
2. Write the etiology, clinical features, diagnosis and management of SIGMOID VOLVULUS.

II. Write notes on:

(10 x 7 = 70)

1. Empyema Gallbladder.
2. Incontinence of Urine in a male.
3. Choledochotomy.
4. Radiofrequency Ablation.
5. Hypospadias.
6. Damage control Surgery.
7. Digital Mammography.
8. Carcinoma Tongue.
9. Ludwigs Angina.
10. Fibroadenoma Breast.

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

[MS 0522]

MAY 2022

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES
*Q.P. Code: 222213***

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss in detail about morbid obesity investigation and Laparoscopic Surgical management.
2. Discuss in details about etiology, clinical features investigation and management of Choledocholithiasis.

II. Write notes on: **(10 x 7 = 70)**

1. Tissue Expander.
2. Intra Abdominal Adhesion.
3. Thrombo Prophylaxis in Surgery.
4. Management of SIRS.
5. Brain Death.
6. Principals of Port Placement in Laparoscopy Surgery.
7. TEMS (Trans Anal Endoscopic Microsurgery).
8. Principles of Liver Transplantation.
9. ERAS (Early Recovery after Surgery).
10. Recent Advance in Management of Diabetic Foot.

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

[MS 1022]

OCTOBER 2022

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES
*Q.P. Code: 222213***

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Embryology of parathyroid glands. Write the clinical features, investigations and management of Primary Hyperparathyroidism.
2. Discuss the Recent Trends in management of Carcinoma of Rectum.

II. Write notes on: **(10 x 7 = 70)**

1. Poem (Per Oral Endoscopic Myotomy).
2. Pyogenic liver abscess.
3. Ontogenesis.
4. Immunohistochemistry in General Surgery.
5. Surgical Robots.
6. Organ Procurement.
7. Mammography.
8. Role of Drains after Abdominal Surgery.
9. Isolated Limb Perforation.
10. Digital Subtraction Angiography.

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

[MS 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P. Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Discuss in detail about Classification, Etiology, Clinical features, Investigation, Staging and Management of Soft Tissue Sarcoma.
2. Define Varicose Veins. Discuss in details about Clinical features, Investigation and Management of Varicose veins.

II. Write notes on: (10 x 7 = 70)

1. LASERS in surgery.
2. Clinical applications of stem cells.
3. Blood substitutes.
4. Alternatives to sutures.
5. Peyronies disease.
6. MEN 2A.
7. Gastric volvulus.
8. Colonic pseudo obstruction.
9. Hemobilia.
10. Split skin grafting.

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

[MS 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 2213

**M.S. DEGREE EXAMINATION
BRANCH I – GENERAL SURGERY
PAPER IV – RECENT ADVANCES**

Q.P. Code: 222213

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the Pathology, clinical features, investigations and management of malignant melanoma. Describe the locoregional therapies in malignant melanoma.
2. Classify Gastroesophageal junction carcinoma. Describe the clinical features investigations, staffing and management of Gastro oesophageal junction carcinoma.

II. Write notes on:

(10 x 7 = 70)

1. Da Vinci manipulation in Robotic surgery.
2. Response Evaluation Criteria in Solid Tumors (RECIST).
3. Lasers in proctology.
4. Complications of Bariatric surgery.
5. Targeted therapy.
6. Surgical safety checklist.
7. Management of Ureteric calculi.
8. Surgery in COVID 19 patients.
9. Microvascular surgery.
10. Video assisted Thoracoscopic surgery.
