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

[MS 0524] **MAY 2024** **Sub. Code: 4004**

M.S. DEGREE EXAMINATION

BRANCH I – GENERAL SURGERY

PAPER IV – RECENT ADVANCES IN SURGERY

Q.P. Code: 224004

Time: Three Hours **Maximum: 100 Marks**

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

1. Describe the pathology, classification, clinical evaluation and management of Neuroendocrine tumours of the Pancreas.

2. Describe in detail about Endoluminal Bariatric Surgery.

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

1. Peritoneal carcinomatosis.
2. Artificial intelligence in surgery.
3. Third space endoscopy.
4. Component separation techniques in Hernia surgery.
5. Benign biliary stricture.
6. Biofilm.
7. Gene expression in non healing venous leg ulcer.
8. Mechanochemical ablation.
9. Endoscopic procedures for Gastroesophageal reflux disease.
10. Rectal prolapse.

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

[MS 1224] **DECEMBER 2024** **Sub. Code: 4004**

(OCTOBER 2024 EXAM SESSION)

M.S. DEGREE EXAMINATION

GENERAL SURGERY

PAPER IV – RECENT ADVANCES IN SURGERY

Q.P. Code: 224004

Time: Three Hours **Maximum: 100 Marks**

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

1. Discuss in detail about the clinical features, diagnosis and recent trends in the management of early gastric malignancy.

2. Discuss in detail about the indication, techniques and complications of renal transplantation.

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

1. Hyperthermic intraperitoneal chemotherapy.
2. Isolated limb perfusion.
3. Capsule endoscopy.
4. Conflict surgery.
5. Klatskin tumor.
6. Prognostic factors in carcinoma breast.
7. Gene therapy.
8. Harmonic scalpel.
9. Informed consent.
10. Digital subtraction angiography.

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

[MS 0525] **MAY 2025** **Sub. Code: 4004**

M.S. DEGREE EXAMINATION

GENERAL SURGERY

PAPER IV – RECENT ADVANCES IN SURGERY

Q.P. Code: 224004

Time: Three Hours **Maximum: 100 Marks**

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

1. Classify CBD stones. Describe clinical features, investigations and current concepts in the management of choledocholithiasis
2. Elaborate on clinical features, investigations, and recent advances in the management of peripheral arterial occlusive disease.

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

1. Robotic surgery.
2. Single incision lap surgery.
3. Systemic immune response syndrome.
4. Surgical hypertension.
5. Harmonic scalpel.
6. Newer trends in management of fistula in ano.
7. Complications of bariatric surgery.
8. Oesophageal stent.
9. Latest trends in management of diabetic foot ulcers.
10. Lasers in surgery.

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

[MS 1025] **OCTOBER 2025** **Sub. Code: 4004**

M.S. DEGREE EXAMINATION

GENERAL SURGERY

PAPER IV – RECENT ADVANCES IN SURGERY

Q.P. Code: 224004

Time: Three Hours **Maximum: 100 Marks**

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

1. Classify CBD stones. Describe clinical features, investigations and current concepts in the management of choledocholithiasis.
2. Elaborate on clinical features, investigations, and recent advances in the management of peripheral arterial occlusive disease.

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

1. Capsule endoscopy.
2. NOTES.
3. Multiorgan dysfunction syndrome.
4. Surgical hypertension.
5. Harmonic scalpel.
6. Staplers in surgery.
7. Complications of Bariatric surgery.
8. Oesophageal stent.
9. Latest trends in management of Diabetic foot ulcers.
10. PET scan.

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

[MS 0526] **MAY 2026** **Sub. Code: 4004**

M.S. DEGREE EXAMINATION

GENERAL SURGERY

PAPER IV – RECENT ADVANCES IN SURGERY

Q.P. Code: 224004

Time: Three Hours **Maximum: 100 Marks**

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

1. Discuss in detail about the etiology, clinical evaluation and management of Obscure Gastrointestinal Bleed.

2. Discuss in detail about the clinical features, diagnosis and recent trends in management of soft tissue sarcoma.

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

1. Pancreatic transplantation.
2. Alternatives to sutures.
3. Disaster surgery.
4. Minimally Invasive Surgery in Inguinal Hernia.
5. Recent advances in management of diabetic foot.
6. Radiofrequency ablation.
7. Hypospadiasis.
8. Carcinoid tumor.
9. Postoperative fever.
10. Courvoisier law.

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