



RAN - 2406100101010501

RAN-2406100101010501**M.S. General Surgery Theory Examination April - 2025****Paper I - (General Surgery including Applied Basic Science)****Time: 3 Hours]****[Total Marks: 100****સૂચના : / Instructions****(૧)****નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.****Fill up strictly the details of signs on your answer book**

Name of the Examination:

M.S. General Surgery Theory

Name of the Subject :

Paper I - (General Surgery including Applied Basic Science)Subject Code No.: **2406100101010501**

Seat No.:

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Student's Signature

Section - I**Q-1: (A) SIRS [Systemic Inflammatory response Syndrome]****(B) Gram negative Shock****(5 + 5 = 10 Marks)****Q-2: Describe variations in the course or Recurrent Laryngeal Nerve (10 Marks)**
in the neck & its implications in thyroid surgery.**Section - II****Q-3: Describe the etiology and management of surgical site infections (10 Marks)****Q-4: Describe the burn wound management for 18% deep burns with (10 Marks)**
eschar over thigh in left lower limb**Section - III****Q-5: (A) Describe basic ergonomic concepts in Laparoscopic surgeries.****(B) Describe Remote Access Scar less neck surgeries****(5+5=10 Marks)****Q-6: Describe acute lower limb ischemia and its management (10 Marks)****RAN-2406100101010501]****[1]****[P.T.O.]****P0430**

Section - IV

- Q-7** (A) Prevention & measures for management of post MRM Lymphoedema .
(B) Modified Brodie-Trendelenburg test (5 + 5 = 10 Marks)
- Q-8** (A) Describe Evaluation & management of Parastomal hernia.
(B) Describe evaluation & management of infected mesh in inguinal hernia. (5 + 5 = 10 Marks)

Section - V

- Q-9** (A) Surgical management of Filarial Lymphoedema of lower limb
(B) Late complications of Tracheostomy (5 + 5 = 10 Marks)

Section - VI

- Q-10** (A) Contre coup injury
(B) Classify nerve injuries (5+5=10 Marks)
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RAN-2406100101010502**M.S. General Surgery Theory Examination April - 2025****Paper II (General Surgery including Pathology)****Time: 3 Hours]****[Total Marks: 100****સૂચના : / Instructions****(૧)****નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.****Fill up strictly the details of signs on your answer book**

Name of the Examination:

M.S. General Surgery Theory

Name of the Subject :

Paper II (General Surgery including Pathology)Subject Code No.: **2406100101010502**

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Student's Signature

Section - I

- Q-1** (A) Management of femoral Hernia
(B) Management of Fissure in Ano

(5 + 5 = 10 Marks)

- Q-2** Describe the segmental classification of liver and its surgical significance

(10 Marks)**Section II**

- Q-3** Describe etiology, clinical features & Management of Gastric Outlet Obstruction.

(10 Marks)

- Q-4.** Describe etiopathogenesis, evaluation & management of Choledocholithiasis.

(10 Marks)**Section III**

- Q-5** Describe its evaluation & management of Obscure GI bleeding

(10 Marks)

Q-6 (A) Intussusception

(B) Meckel's diverticulum

(5+5=10 Marks)

Section IV

Q-7 (A) Describe Strassberg classification of Bile Duct Injury

(B) Role of Interventional Radiology in the management of Portal Hypertension

(5+5=10 Marks)

Q-8 (A) Large volume paracentesis

(B) Ventral Rectopexy.

(5+5=10 marks)

Section V

Q-9 (A) ERCP [Endoscopic Retrograde Cholangio-PancreatoGraphy]

(B) Zollinger Ellison Syndrome

(5+5=10 Marks)

Section VI

Q-10 (A) Bariatric surgery patient selection

(B) Complications of bariatric surgery

(5+5=10 Marks)



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RAN-2406100101010503**M.S. General Surgery Theory Examination April - 2025****Paper III (General Surgery including Pathology)****Time: 3 Hours]****[Total Marks: 100****સૂચના : / Instructions****(૧)**

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

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Name of the Examination:

M.S. General Surgery Theory

Name of the Subject :

Paper III (General Surgery including Pathology)Subject Code No.: **2406100101010503**

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Student's Signature

Section I

- Q-1** A) Investigations of Solitary Thyroid nodule
B) Hyperparathyroidism

(5+5=10 Marks)

- Q-2** Describe staging and management of Carcinoma of Penis

(10 Marks)**Section II**

- Q-3** Describe diagnosis and management of locally advanced Carcinoma of breast [III A & III B]

(10 Marks)

- Q-4** Describe investigations and management in male infertility

(10 Marks)**Section III**

- Q-5** Describe Clinical features, Diagnostic &staging investigations & management of Renal Cell Carcinoma .

(10 Marks)

- Q-6** (A) Describe types &principles of hypospadias management.

- (B) Describe aetiologies of urethral stricture & its management **(5+5=10 Marks)**

Section IV

Q-7 (A) Pyronine Disease

(B) Orchidopexy

(5+5= 10 Marks)

Q-8 (A) Continent Urinary diversion

(B) Management of complications of circumcision

(5+5=10 Marks)

Section V

Q-9 Write Short notes.

(5+5=10 Marks)

(A) Renal angiography

(B) Ectopic kidney (5+5=10 Marks)

Section VI

Q-10 Write Short notes.

(A) Management of BPH with over active bladder

(B) Types of Nephrectomy & their indications

(5+5=10 Marks)



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RAN-2406120101010501**M. D. (Anaesthesiology) Examination April - 2025****Anaesthesiology Paper - 1****(Basic Science Applied to Anaesthesiology)****Time: 3 Hours]****[Total Marks: 100****સૂચના : / Instructions****(૧)**

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Name of the Examination:

M. D. (Anaesthesiology)

Name of the Subject :

Anaesthesiology Paper - 1 (Basic Science Applied to Anaesthesiology)Subject Code No.: **2406120101010501**

Seat No.:

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Student's Signature

Q.1 Discuss in brief:

- (1) Write briefly with the help of diagrams about the flow volume loop in lung spirometry and discuss their interpretation 10
- (2) Describe the Mapleson classification of breathing circuits. Write functional analysis of the Bains circuit 10

Q.2 Write briefly on:

- (1) Discuss physiology of thermoregulation and causes of dysregulation of thermoregulation during anaesthesia. 10
- (2) Describe Oxygen Hemoglobin Dissociation Curve and enumerate the factors producing leftward and rightward shift of curve 10

Q.3 Write notes on:

- (1) Discuss Metabolic equivalents of task (METs) and its relevance in anaesthesia 10
- (2) Describe anatomy of celiac plexus. Write indications & complications of celiac plexus block. 10

Q.4. Write about following:

- (1) Describe the aetiology and management of perioperative hyperkalemia 10
- (2) Describe the pathophysiology of stress response during intubation and methods for prevention 10

Q.5 Write short notes on:

- (1) Thromboelastography
 - (2) Alpha 2 agonists in neuraxial blockade
 - (3) Endtidal CO₂ monitoring
 - (4) John Snow
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M.D. (Anaesthesiology) Examination April - 2025

Anaesthesiology Paper II

(Clinical Science Applied to Anaesthesiology)

Time: 3 Hours]

[Total Marks: 100

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

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Name of the Examination:

M.D. (Anaesthesiology)

Name of the Subject :

Anaesthesiology Paper II (Clinical Science Applied to Anaesthesiology)

Subject Code No.: 2406120101010502

Seat No.:

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Student's Signature

Q.1 Discuss in brief:

- (1) Write in brief about preanaesthetic check up , investigations and anaesthetic considerations in the management of longstanding huge multinodular nontoxic goitre (10)
- (2) Discuss the clinical presentation , diagnosis and preoperative preparation of patient posted for laparoscopic removal of pheochromocytoma. (10)

Q.2 Write briefly on:

- (1) Aetiology of pulmonary embolism and methods to detect it (10)
- (2) Describe the anesthetic management of a 12 year old child with full stomach with perforated eye injury (10)

Q.3 Write notes on:

- (1) Describe anesthetic management of a 27-year-old primigravida with a blood pressure of 200/110 mmHg, edema and proteinuria for caesarean section (10)

- (2) Anesthetic considerations and management of postoperative complications in trans-sphenoid pituitary surgery (10)

Q.4. Write about following:

- (1) Discuss the approaches and complications of Internal jugular cannulation (10)
(2) Discuss the diagnosis and management of TURP syndrome (10)

Q.5 Write short notes on :

20 marks

- (1) Child-Pugh criteria for liver disease and its relevance in anaesthesia
(2) Sick cell anaemia and anaesthesia
(3) Preoperative optimization in COPD patient
(4) Monitored Anaesthesia Care
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M.D. (Anaesthesiology) Examination April - 2025

Anaesthesiology Paper III

(Theory & Practice of Anaesthesiology & Resuscitation)

Time: 3 Hours |

[Total Marks: 100

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Name of the Examination:

M.D. (Anaesthesiology)

Name of the Subject :

Anaesthesiology Paper III (Theory & Practice of Anaesthesiology & Resuscitation)

Subject Code No.: 2406120101010503

Seat No.:

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Student's Signature

Q.1 Discuss in brief:

- 1) Describe anaesthetic management of 2-year baby posted for moderate hydrocephalus. (10)
- 2) Discuss the potential complications during Laser surgery under anaesthesia. (10)

Q.2 Write briefly on:

- 1) Discuss the role of ETCO₂ monitoring in cardiopulmonary resuscitation and monitored anaesthesia care (10)
- 2) Discuss different methods of postoperative analgesia for shoulder surgery (10)

Q.3 Write notes on:

- 1) Discuss the anaesthetic plan in a 65-yr old male on dual antiplatelet therapy posted for TURP surgery (10)
- 2) Discuss the Triage plan in disaster management (10)

Q.4. Write about following:

- 1) Discuss the cardiopulmonary resuscitation in pregnant full-term patient (10)
- 2) Describe the anaesthetic management of a 45 years old patient with B.M.I, more than 35 scheduled for bariatric surgery. (10)

Q.5 Write short notes on:

20 marks

- 1) Bone cement implantation syndrome
 - 2) Contraindication and complication of BIPAP ventilation
 - 3) Management of hypoxemia during one lung ventilation
 - 4) Postoperative visual loss
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M. D. Examination April - 2025

General Medicine

Paper I - Set - 1

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Name of the Examination:

M. D.

Name of the Subject :

General Medicine Paper I - Set - 1

Subject Code No.: 2406120501010501

Seat No.:

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Student's Signature

- Q-1)** Describe coronary circulation ,discuss Myocardial infarction under following headings
- Pathophysiology
 - Etiology and risk factors
 - Diagnosis
 - Management
- Q-2)** Discuss approach to patient with connective tissue disorders. Describe Systemic Lupus Erythematosus under following headings
- Clinical features
 - Diagnostic criteria
 - Investigations
 - Treatment
- Q-3)** Discuss approach to a patient of unknown poisoning. Write about organophosphorous poisoning under following heading
- Names of organophosphorous compounds.
 - Mechanism of action.
 - Clinical features.
 - Treatment.
- Q-4)** Write short notes on
- Hemoglobinopathies
 - Thyroid storm.



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M.D. Examination April - 2025

General Medicine

Paper II - Set - 1

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Name of the Examination:

M.D.

Name of the Subject :

General Medicine Paper II - Set - 1

Subject Code No.: 2406120501010502

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Student's Signature

- Q-1) Discuss bacterial endocarditis under following headings:
- a) Pathophysiology
 - b) Etiology
 - c) Clinical features
 - d) Diagnosis and treatment.
- Q-2) Discuss obesity under following headings:
- a) Etiology
 - b) Clinical features
 - c) Investigations
 - d) Treatment.
- Q-3) Describe chronic kidney disease under following headings:
- a) Pathophysiology
 - b) Etiology
 - c) Clinical features
 - d) Diagnosis and Treatment
- Q-4) Write short notes on :
- a) Pellagra
 - b) Paraneoplastic syndromes



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M.D. Examination April - 2025

General Medicine

Paper III - Set -1

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

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Name of the Examination:

M.D.

Name of the Subject :

General Medicine Paper III - Set -1

Subject Code No.: 2406120501010503

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Student's Signature

Q-1)

Discuss Pneumonia under following headings

- | | |
|-----------------------|-----------------------------|
| a) Pathophysiology | b) Causes |
| c) Clinical features. | d) Diagnosis and Treatment. |

Q-2)

Discuss portal hypertension

- a) Pathophysiology
- b) Causes
- c) Clinical features and complications
- d) Diagnosis and Treatment

Q-3)

Discuss type 2 DM under following headings

- | | |
|--------------------|----------------------------------|
| a) Pathophysiology | b) Clinical features. |
| c) Complications | d) Investigations and Treatment. |

Q-4)

Short notes

- | | |
|------------------|------------------------|
| a) schizophrenia | b) paraquat poisoning. |
|------------------|------------------------|