

MANIPAL ACADEMY OF HIGHER EDUCATION

MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2019

SUBJECT: PAPER I: BASIC SCIENCES

Tuesday, October 08, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay Questions:

1. Surgical hypertension – Discuss causes, investigations and treatment. (15 marks)
2. Discuss anatomy & embryology of Ano-rectum. Discuss various operations done for prolapse Rectum. (15 marks)

3. Short notes:

- 3A. Alternative approaches to blood transfusion.
- 3B. Subphrenic abscess- Surgical anatomy and management.
- 3C. Uses of Drains in Gastrointestinal surgery.
- 3D. Discuss palmer spaces. How will you manage deep palmer space infection.
- 3E. CEAP classification.
- 3F. Recent types of Wound cover.
- 3G. Universal precautions.
- 3H. Necrotising fasciitis- diagnosis & management.
- 3I. Infra inguinal bypass for diabetic foot.
- 3J. Treatment of Acute embolic lower limb ischaemia.

(7 marks × 10 = 70 marks)



--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION**MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2019****SUBJECT: PAPER II: SURGICAL SPECIALITIES**

Wednesday, October 09, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss the rotation of the gut. Describe anomalies associated with the same and treatment of these anomalies.

(15 marks)

2. Discuss the coronary artery bypass grafting procedure. How do you manage these patients post operatively?

(15 marks)

3. **Write short notes:**

3A. Aortic dissection

3B. Digital subtraction angiography

3C. Pancoasts tumour

3D. Pontine haemorrhage

3E. Pneumothorax

3F. Carcinoid syndrome

3G. Hydrocephalus

3H. Lumbar puncture

3I. Hypospadias

3J. Meningocele

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2019
SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY

Thursday, October 10, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. 5 weeks old male child presents with gross abdominal distension. Give possible diagnosis explaining the reasons. Discuss management.

(15 marks)

2. 65 yrs old man presents with acute urinary retention. Give the differential diagnosis and current principles of management.

(15 marks)

3. **Short answers:**

3A. V.P. Shunt

3B. Vacuum therapy for ulcers

3C. Intercostal tube

3D. Critical limb ischemia

3E. Charcot's joint

3F. Lowenstein Bushke lesion

3G. Types of Tracheo-oesophageal fistula

3H. Choledochal cyst

3I. Management of circumferential burn wound on chest

3J. Radiotherapy in breast carcinoma

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2019
SUBJECT: PAPER IV: RECENT ADVANCES

Friday, October 11, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss in detail the role of stents in surgery.

(15 marks)

2. Discuss the principle, indications, advantages and disadvantages of Magnetic Resonance Imaging.

(4+5+3+3 = 15 marks)

3. **Short Notes:**

3A. Immunotherapy

3B. Trans rectal ultrasound

3C. Capsule Endoscopy

3D. Indications for Bariatric surgery

3E. Hybridoma

3F. Trastuzumab

3G. Video assisted thoracoscopic surgery

3H. Uses of Laser

3I. Harmonic scalpel

3J. Polydioxanone

(7 marks × 10 = 70 marks)

