

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION
MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2019
SUBJECT: PAPER I: BASIC SCIENCES

Tuesday, April 02, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss the phases of wound healing. What are the various ways in which wound healing can be promoted while treating a case of chronic leg ulcer?

(5+10 = 15 marks)

2. Discuss the aetiology of haemorrhagic shock. Describe the indications for various blood components. Add a note on fresh frozen plasma.

(5+7+3 = 15 marks)

3. **Short Notes:**

3A. Granulation tissue

3B. Central venous pressure

3C. Autoclave

3D. MRSA

3E. Ischiorectal Abscess

3F. Epidural Anaesthesia

3G. Day care surgery

3H. Tourniquets in Surgery

3I. Pulmonary embolism

3J. Universal precaution

(7 marks × 10 = 70 marks)



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MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2019
SUBJECT: PAPER II: SURGICAL SPECIALITIES

Wednesday, April 03, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay Questions:

1. Enumerate the embryology of extra hepatic biliary tree and its anomalies. Write in detail about cholochochal cyst.

(15 marks)

2. Discuss the clinical features and management of extra dural haematoma.

(15 marks)

3. Write short notes on:

3A. Cysts of the floor of the mouth.

3B. Types and Principles of Flaps. Discuss briefly about TRAM flap and its surgical use.

3C. Causes and types of pneumothorax. Enumerate management of post traumatic tension pneumothorax.

3D. Aetiopathogenesis of undescended testis and its management.

3E. Enumerate the trans urethral procedure in management of BPH.

3F. Complications of spinal anaesthesia.

3G. Frey's syndrome

3H. End arterectomy

3I. Pheochromocytoma

3J. Ectopia vesicae

(7 marks × 10 = 70 marks)



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

Thursday, April 04, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay Questions:

1. A 55 year old male patient presented with a nodular swelling in the region of the right lobe of thyroid. Discuss the differential diagnosis, evaluation and management of this patient.
(15 marks)

2. Discuss the etiology and pathophysiology of acute pancreatitis. Discuss in detail about its management.
(15 marks)

3. Short notes:

3A. Short bowel syndrome

3B. Management of oesophageal varices

3C. Femoral Hernia

3D. Choledochal cyst

3E. Hydatid cyst liver

3F. GERD

3G. Early gastric cancer

3H. Management of carcinoma rectum

3I. Premalignant lesions of stomach

3J. Diaphragmatic Hernia

(7 marks × 10 = 70 marks)



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

Friday, April 05, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss Stem cells in Acute Liver Failure.

(15 marks)

2. Discuss Aetiology, management and prevention of Abdominal compartment syndrome.

(15 marks)

3. **Write short notes on:**

3A. Endovascular approaches to Arteriovenous fistula.

3B. Percutaneous treatment of Liver tumors.

3C. Enhanced recovery programme after bowel surgery.

3D. Molecular classification of breast cancer and its implication in therapy.

3E. Harmonic scalpel.

3F. Postherniorrhaphy Inguinodynia.

3G. Modern surgical management of Haemorrhoids.

3H. Minimally invasive parathyroidectomy.

3I. Small bowel transplantation.

3J. Sportsman's hernia.

(7 marks × 10 = 70 marks)

