

MANIPAL UNIVERSITY**MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER I: BASIC SCIENCES**

Tuesday, October 06, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay Type Questions:

1. Describe the pathophysiology of burn injury. Describe in detail the management of patients with burns.

(15 marks)

2. Discuss in detail the Indications, contraindications and Complications of Laparoscopic surgery.

(15 marks)

3. **Write short notes on:**

3A. Blood substitutes and complications of blood transfusion

3B. Physiology of thyroid hormones and Thyroid function tests

3C. Laparoscopic anatomy of inguinal hernia

3D. Pancreas transplantation

3E. Sutures and Staplers in Surgery

3F. Hypokalaemia

3G. Liver function tests and Bilirubin metabolism

3H. Prophylactic Antibiotics

3I. Hemorrhagic Shock

3J. Principles of sterilization

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY

MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2015

SUBJECT: PAPER II: SURGICAL SPECIALITIES

Wednesday, October 07, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essay Questions:

1. Discuss the peripheral vascular disease under the following headings:
a) Etiology b) Clinical features c) Investigations
d) Medical management e) Surgical management

(15 marks)

2. Discuss the present perspective of hepatic transplantations under the following headings:
a) Indications b) Investigations in the recipient and donor
c) Procedural details d) Complications

(15 marks)

3. Write short notes on:
3A. CABG
3B. Stove in chest injury
3C. Subdural hematoma
3D. Lumbar intervertebral disc prolapse
3E. Polycystic Kidney Disease
3F. Carcinoma of urinary bladder
3G. Wilm's tumor
3H. Neuroendocrine tumors
3I. Hirschsprung's disease
3J. Tracheo esophageal fistula

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY**

Thursday, October 08, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Discuss the causes of surgical jaundice. How do you manage a patient with large stone in the common bile duct?

(15 marks)

2. Describe strategy for investigation and treatment of upper GI bleeding.

(15 marks)

3. **Write short notes on:**

3A. Paralytic ileus

3B. Pseudomyxoma peritonii

3C. Varicocele

3D. Thyroid crisis

3E. Desmoid tumour

3F. Paget's disease of nipple

3G. Insulinoma

3H. Pheochromocytoma

3I. Carcinoid tumours

3J. Localisation and surgical management of parathyroid adenoma

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER IV: RECENT ADVANCES**

Friday, October 09, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay Questions:**

1. Discuss the challenges, controversies and recent advances in the organ transplantation scenario in India.

(15 marks)

2. Discuss the principles, indications and recent advances in the surgical treatment of obesity.

(15 marks)

3. **Write short notes on:**

3A. Challenges in the treatment of ESBL infections

3B. Advances in early detection of gastric cancers

3C. Medical errors in the operating theatres and safe surgery practices

3D. Composite meshes

3E. Recent advances in axillary staging for breast cancer

3F. HER 2 testing and its role in the management of human cancers

3G. Evidence based surgical practice

3H. Optimal use of energy sources in laparoscopy

3I. Pain management in malignant disease

3J. Stapled haemorrhoidectomy

(7 marks × 10 = 70 marks)

