

Reg. No.

MANIPAL UNIVERSITY

MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER II: SURGICAL SPECIALITIES

Tuesday, April 19, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ Answer ALL the questions.  
✍ Draw illustrations wherever necessary.

✍ Essay Questions:

1. Discuss the etiology, clinical features, investigations and treatment of prostate cancer. (15 marks)
2. Classify anorectal malformations. Describe the management of high anorectal anomaly in a new born female. (15 marks)

3. Write short notes on:

- 3A. Urethral injuries
- 3B. Nephron-sparing surgery
- 3C. High-grade glioma
- 3D. Cerebral saccular aneurysms
- 3E. Critical limb ischaemia
- 3F. Haemothorax
- 3G. Carotid endarterectomy
- 3H. Thoracic outlet syndrome
- 3I. Pressure sores
- 3J. Liposuction

(7 marks × 10 = 70 marks)



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## MANIPAL UNIVERSITY

MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY

Wednesday, April 20, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ Answer ALL the questions.  
✍ Draw illustrations wherever necessary.

✍ Essay Questions:

1. Discuss the etiology, clinical features, classification and management of bile duct injuries.  
(15 marks)

2. Describe the surgical anatomy of rectum. Explain the staging, investigations and treatment of rectal cancer.  
(15 marks)

3. Write short notes on:

3A. Management of gastro esophageal reflux disease

3B. Gastric lymphomas

3C. Cystic neoplasms of pancreas

3D. Management of colorectal liver metastasis

3E. Approach to occult gastro intestinal bleeding

3F. Pseudomyxoma peritonei

3G. Non-occlusive mesenteric ischemia

3H. Intra-abdominal adhesions

3I. Complications of colostomy and their management

3J. Treatment options for management of fistula-in-ano

(7 marks × 10 = 70 marks)



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**MANIPAL UNIVERSITY**

**MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2016**

**SUBJECT: PAPER IV: RECENT ADVANCES**

Thursday, April 21, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay questions:**

1. Describe the various methods of surgical management for obesity and its complications.  
(15 marks)
2. Classify testicular tumors discuss clinical features, staging and management of seminoma of testis  
(15 marks)

3. **Short notes**

- 3A. Limitations of minimal access surgery
- 3B. Short bowel syndrome
- 3C. Clinical examination of head injury
- 3D. Urodynamic studies
- 3E. Therapeutic oesophagogastroduodenoscopy
- 3F. Role of contrast CT in acute pancreatitis
- 3G. Liver transplantation.
- 3H. Haemorrhoidal artery ligation
- 3I. Gilmore's groin
- 3J. European classification of hernia

(7 marks × 10 = 70 marks)

