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## MANIPAL UNIVERSITY

MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER I: BASIC SCIENCES AND PRINCIPLES OF SURGERY

Monday, April 02, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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✍ **Answer ALL questions.**

1. Describe the biological process of wound healing. Discuss the factors affecting wound healing.

(30 marks)

2. Classify naevi. Discuss the aetiology, pathology, clinical features and management of malignant melanoma.

(30 marks)

3. **Write short notes on:**

3A. Lymphoedema

3B. Metabolic acidosis

3C. Angiosarcoma

3D. Pancreatic transplantation

(10×4 = 40 marks)



Reg. No.

**MANIPAL UNIVERSITY**

**MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2012**

**SUBJECT: PAPER II: SURGICAL SPECIALITIES**

Tuesday, April 03, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**Answer ALL questions.**

1. Describe the clinical features of carcinoma of the urinary bladder. Describe the management of superficial urinary bladder carcinoma.  
(30 marks)
2. Describe the pathology and clinical features of meningiomas. Describe the management of a parasagittal meningioma in a 42 year old female.  
(30 marks)
3. **Write short answers:**
  - 3A. Management of a newborn female with high anorectal anomaly
  - 3B. Management of T<sub>2</sub>N<sub>0</sub>M<sub>0</sub> carcinoma lateral border of anterior two third of tongue
  - 3C. Tension pneumothorax
  - 3D. Surgical management of burn wound due to flames

(10×4 = 40 marks)



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## MANIPAL UNIVERSITY

MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER III: GENERAL SURGERY

Wednesday, April 04, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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✍ **Answer ALL questions.**

1. Discuss aetiopathogenesis and management of Gastroesophageal Reflux Disease.  
(30 marks)
  
2. Discuss aetiopathogenesis and management of Hepatic Hydatid disease.  
(30 marks)
  
3. **Write short notes on:**
  - 3A. Fast Track surgery
  - 3B. Hereditary breast cancer
  - 3C. Biliary Leaks
  - 3D. Pathogenesis of colon cancer

(10×4 = 40 marks)



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## MANIPAL UNIVERSITY

MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2012

SUBJECT: PAPER IV: RECENT ADVANCES

Thursday, April 05, 2012

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**✍ Answer ALL questions.**

1. Classify intestinal ischemia. Discuss its aetiology and management.

(30 marks)

2. Discuss the laparoscopic surgical perspectives of ventral hernia repair.

(30 marks)

3. **Write short answers:**

3A. High output intestinal fistula

3B. Day-care surgery

3C. Radiofrequency ablation

3D. Genetic basis of cancer

(10×4 = 40 marks)

