

MANIPAL UNIVERSITY
MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2013
SUBJECT: PAPER I: BASIC SCIENCES

Monday, October 07, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

Answer ALL the questions. Draw illustrations wherever necessary.

1. Essay questions:

- 1A. Describe the surgical anatomy of liver. Describe in detail various types of liver resections with indications. Add a note on laproscopic liver resections.
- 1B. Discuss the course of facial nerve. Write in detail causes, types and management of facial nerve injuries.

(30×2 = 60 marks)

2. Write short answers on:

- 2A. Gas gangrene
- 2B. Cystic hygroma
- 2C. Sentinel lymph node biopsy
- 2D. Immunology in transplantation surgeries

(10×4 = 40 marks)



MANIPAL UNIVERSITY

MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2013

SUBJECT: PAPER II: PRINCIPLES AND PRACTICE OF SURGERY

Tuesday, October 08, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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

1. Essay questions:

- 1A. Enumerate the causes for unilateral hydronephrosis. Describe the clinical features and management of posterior urethral valve.
- 1B. Classify burns. Describe the management of burns and various complications in detail.

(30×2 = 60 marks)

2. Write short answers on:

- 2A. Mirizzi's syndrome
- 2B. Endocrine tumors of pancreas
- 2C. Pancoast tumor
- 2D. Glioblastoma multiforme

(10×4 = 40 marks)



MANIPAL UNIVERSITY
MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2013
SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF OPERATIVE SURGERY

Wednesday, October 09, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions. Draw illustrations wherever necessary.**

1. Essay questions:

- 1A. Discuss the aetiology and management of massive upper G.I. bleeding.
- 1B. Discuss the classification, staging and management of well-differentiated carcinoma of thyroid.

(30×2 = 60 marks)

2. Write short answers on:

- 2A. Hydatid disease of the liver
- 2B. Carcinoid tumour of appendix
- 2C. Sphincter saving operations for carcinoma rectum
- 2D. Breast conserving surgery for carcinoma breast

(10×4 = 40 marks)



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MANIPAL UNIVERSITY

MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2013

SUBJECT: PAPER IV: RECENT ADVANCES

Thursday, October 10, 2013

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions. Draw illustrations wherever necessary.**

1. **Essay questions:**

- 1A. Discuss the surgeon's role in civilian disasters.
- 1B. Discuss the indications, contraindications and technical aspects of Live donor liver transplantation.

(30×2 = 60 marks)

2. **Write short answers on:**

- 2A. Tumor immunotherapy
- 2B. Tissue engineering of blood vessels
- 2C. Familial breast cancer
- 2D. Duodenal switch operation

(10×4 = 40 marks)

