

MANIPAL ACADEMY OF HIGHER EDUCATION**MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2018****SUBJECT: PAPER I: BASIC SCIENCES**

Monday, April 02, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw illustrations wherever necessary.**

✍ **Essay Questions:**

1. Define shock. Describe the pathophysiology and classification of shock. Add a note on the current therapeutic recommendations for septic shock.

(15 marks)

2. Describe the etiology, clinical features, investigations and treatment of hyperparathyroidism. Add a note on post-operative care following parathyroidectomy.

(15 marks)

3. **Write short notes on:**

3A. Immunonutrition

3B. Surgical aspects of hypothermia

3C. Ventilator associated pneumonia

3D. Abdominal compartment syndrome

3E. Lymphoedema

3F. Thyroid incidentaloma

3G. Treatment options in varicose veins

3H. Management of neck nodes in well differentiated thyroid cancer

3I. Surgical anatomy of facial nerve and management of facial nerve injury

3J. Small-bowel transplantation

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2018
SUBJECT: PAPER II: SURGICAL SPECIALITIES

Tuesday, April 03, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Development of face and management of cleft lip. (15 marks)
2. Discuss the aetiology, clinical features and management of an extra dural haematoma. (15 marks)

3. **Short notes:**

- 3A. Hypospadias
- 3B. Nephroblastoma
- 3C. Ewing's sarcoma
- 3D. Fracture mandible
- 3E. Spina bifida
- 3F. Fiail chest
- 3G. Surgeries for lymphoedema
- 3H. Torticollis
- 3I. Meconuim Ileus
- 3J. Cervical rib

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2018

SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY

Wednesday, April 04, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss the aetio-pathogenesis and management of Hepatic hydatid disease. (15 marks)
2. Describe the classification of thyroid malignancy; discuss the management of well-differentiated carcinoma of thyroid. (15 marks)

3. **Write Short Notes On:**

- 3A. Pathogenesis of colonic cancer
- 3B. Non operative management of hepatocellular carcinoma
- 3C. Para-neoplastic syndrome
- 3D. Management of Pheochromocytoma
- 3E. Field cancerisation
- 3F. Operations for Chronic pancreatitis
- 3G. Clinical features of Hyperpara-thyroidism
- 3H. H.Pylori infection
- 3I. Treatment of carcinoid tumour of Appendix
- 3J. Laparoscopic Inguinal hernia repair

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2018

SUBJECT: PAPER IV: RECENT ADVANCES

Thursday, April 05, 2018

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss briefly advances in Liver transplantation. (15 marks)
2. Discuss concept of Surgical treatment of Diabetes Mellitus. (15 marks)

3. **Short Answer Questions:**

- 3A. Chemoprevention of Gastric cancer
- 3B. Vascular resection in pancreatic tumours
- 3C. Sorafenib
- 3D. Biological Mesh
- 3E. Narrow band Imaging in G I surgical practice
- 3F. P O E M
- 3G. IMRT and IGRT
- 3H. Microarray techniques
- 3I. Nutrition in post bariatric surgery state
- 3J. Percutaneous management of benign breast lesions

(7 marks × 10 = 70 marks)

