

Reg. No.

MANIPAL UNIVERSITY

MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2017

SUBJECT: PAPER I: BASIC SCIENCES

Monday, April 03, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay Questions:

1. Classify burns. Discuss the etiology, pathophysiology, clinical features and the management of burns.

(15 marks)

2. Discuss in detail the etiopathology, clinical features and management of septic shock and the specific management of septic shock due to mesenteric ischaemia.

(15 marks)

3. **Write short notes on:**

3A. Crush injury

3B. Compartmental syndrome

3C. Thoracic outlet syndrome

3D. Gastric tetany

3E. Hypocalcaemia

3F. Complication of parenteral nutrition

3G. Blood substitutes

3H. HIV & the surgeon

3I. Necrotizing fasciitis

3J. Cancrum oris

(7 marks × 10 = 70 marks)



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MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2017

SUBJECT: PAPER II: SURGICAL SPECIALITIES

Tuesday, April 04, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Aetiology of Carcinoma Penis. Discuss Ileo-Inguinal block dissection. (15 marks)

2. Anatomy of Circle of WILLES. Clinical features and management of Intracerebral haemorrhage. (15 marks)

3. **Write short notes on:**

3A. Tracheoesophageal fistula

3B. Cerebral abscess

3C. Meconium ileus

3D. Carbuncle of kidney

3E. Complications of Burns injury and their management

3F. Management of pheochromocytoma

3G. Management of Empyema thoracis

3H. Basic principles of Intercostal tube insertion and indications

3I. Carotid endarterectomy

3J. Congenital megacolon

(7 marks × 10 = 70 marks)



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MS (GENERAL SURGERY) DEGREE EXAMINATION – APRIL 2017

SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY

Wednesday, April 05, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ Answer ALL the questions.

☞ Essay Questions:

1. Stage Carcinoma of Thyroid Gland. Describe management of Medullary Carcinoma of Thyroid.
(15 marks)
2. Discuss pros and cons of anesthetic techniques in bowel anastomosis.
(15 marks)

3. Write short notes on:

- 3A. Duplication of jejunum
- 3B. Warren Shunt
- 3C. IPMN
- 3D. Eventration of Diaphragm
- 3E. Skin sparing Mastectomy
- 3F. Spigelian hernia
- 3G. Pneumatosis cystoides Intestinalis (PCI)
- 3H. Post Laparoscopy pneumothorax
- 3I. EEA staplers
- 3J. Chemotherapy of rectal cancers

(7 marks × 10 = 70 marks)



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SUBJECT: PAPER IV: RECENT ADVANCES

Thursday, April 06, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss therapeutic endoscopy in surgery.

(15 marks)

2. Recent investigational modalities for peripheral vascular disease.

(15 marks)

3. **Write short notes on:**

3A. Laser in surgery

3B. Breast reconstruction

3C. Natural orifice transluminal endoscopic surgery (NOTES)

3D. Liposuction

3E. Universal prophylaxis

3F. Heinrich's safety pyramid

3G. Pancreatic stenting

3H. Biological skin substitutes

3I. Genetic basis of cancer

3J. Tumour immunotherapy

(7 marks × 10 = 70 marks)

