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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2020
SUBJECT: PAPER I: BASIC SCIENCES

Monday, October 05, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay questions:**

1. Discuss surgical site infection – principles, classification, prevention and management. (15 marks)
2. What is triage in trauma? Highlight triage algorithm. Discuss abdominal trauma management. (15 marks)

3. **Short notes:**

- 3A. Energy sources in surgery
- 3B. Suppurative tenosynovitis
- 3C. Management of malignant melanoma
- 3D. Hyperkalaemia
- 3E. Arterial substitutes
- 3F. Nosocomial infection
- 3G. Surgical audit.
- 3H. Sentinel lymph node biopsy in carcinoma of breast
- 3I. Gastrostomy
- 3J. Bowel anastomosis

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2020

SUBJECT: PAPER II: SURGICAL SPECIALITIES

Tuesday, October 06, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay questions:**

1. Explain development of diaphragm and management of new born with diaphragmatic hernia
(15 marks)

2. Discuss anatomy of prostate. How will you evaluate a patient with bladder outlet obstruction and management of same
(15 marks)

3. **Short notes:**

- 3A. Coronary artery bypass grafting
- 3B. Anorectal anomalies
- 3C. Pulmonary artery wedge pressure
- 3D. Angiogram
- 3E. VATS
- 3F. Anatomy of circle of willies. Management of intracerebral hemorrhage
- 3G. Surgical technique of suboccipital craniotomy for exploration of posterior cranial fossa
- 3H. Management of patient with cleft lip and cleft palate
- 3I. Management of post burn contractures
- 3J. Genito urinary tuberculosis

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2020
SUBJECT: PAPER III: PRINCIPLES AND PRACTICE OF SURGERY

Wednesday, October 07, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay questions:**

1. Discuss evaluation and techniques of liver resection.
(5+10 = 15 marks)

2. A 60 yr old lady presents to you with progressive dysphagia for solid food. How will you investigate this patient and enumerate treatment options for her?
(5+10 = 15 marks)

3. **Write short notes:**

- 3A. Solitary rectal ulcer.
- 3B. Pleomorphic adenoma.
- 3C. Appendicitis.
- 3D. Wilkie's syndrome.
- 3E. Gastrinoma.
- 3F. Subphrenic abscess.
- 3G. Dumping syndrome.
- 3H. Fournier's gangrene.
- 3I. Abdominal compartment syndrome.
- 3J. Parathyroid adenoma.

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MS (GENERAL SURGERY) DEGREE EXAMINATION – OCTOBER 2020
SUBJECT: PAPER IV: RECENT ADVANCES

Thursday, October 08, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss breast conservative surgery. (15 marks)

2. Discuss the non surgical treatment options for hepatocellular carcinoma. (15 marks)

3. **Write short notes:**

3A. EUS.

3B. Staplers in GI surgery.

3C. Endovenous laser therapy (EVLT).

3D. Deep vein thrombosis.

3E. Ghrelin.

3F. Roux en Y gastric bypass (RYGB).

3G. Single incision laparoscopic surgery.

3H. Botox.

3I. VAAFT.

3J. Surgical.

(7 marks × 10 = 70 marks)

