

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**FINAL MBBS PART – II DEGREE EXAMINATION – FEBRUARY 2023**  
**SUBJECT: SURGERY: PAPER – I (ESSAY)**

(OLD REGULATION)

Monday, February 13, 2023

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

- ✍ Answer Section “A” and Section “B” in TWO separate answer books.
- ✍ Answer ALL questions.
- ✍ Write answers briefly and illustrate them with neatly labelled diagrams wherever appropriate.

**SECTION “A” (GENERAL SURGERY) : 40 MARKS**

✍ **Essay questions:**

1. A nulliparous lady aged 45 years has a hard lump in the upper outer quadrant of right breast measuring 3 cms, with no axillary lymph nodes. FNAC reveals invasive ductal carcinoma. What is the TNM staging? Discuss further investigations that need to be done. How do you treat this patient?

(1+3+4 = 8 marks)

2. **Short note questions:**

- 2A. Complications of massive blood transfusion.
- 2B. Thyroglossal fistula
- 2C. Complications of varicose vein.
- 2D. Hypokalemia.
- 2E. Management of papillary carcinoma thyroid.
- 2F. Clinical features and management of acute limb ischemia.
- 2G. Complications of total parenteral nutrition.
- 2H. Carotid body tumour.

(4 marks × 8 = 32 marks)

**SECTION “B” (ORTHOPAEDICS) : 40 MARKS**

✍ **Essay questions:**

3. A 55 year old lady slipped and fell in the washroom on an outstretched hand. She had severe pain in her right wrist, swelling and deformity. What is your clinical diagnosis? Outline investigations and treatment. Enumerate the complications.

(1+2+2+3 = 8 marks)

4. **Write short note on:**

- 4A. Describe Radiological features of Giant cell tumor.
- 4B. Mention Complications of chronic Osteomyelitis.
- 4C. Principles of open fracture management.
- 4D. Enumerate complications of supracondylar fracture of humerus.
- 4E. Stages of tuberculosis of hip joint.
- 4F. Sequence of Ponsetti method for treatment of club foot.
- 4G. Clinical features and management of Saturday night palsy.
- 4H. Gardens classification for fractures of neck of the femur.

(4 marks × 8 = 32 marks)



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**SUBJECT: SURGERY: PAPER – II (ESSAY)**  
**(OLD REGULATION)**

Wednesday, February 15, 2023

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ Answer ALL questions.

✍ Essay Questions:

1. A 22-year-old lady presents to triage with sudden onset of severe pain at right iliac fossae from one day and is associated with vomiting. On examination, there was tenderness at the right iliac fossa.

- 1A. Mention the likely causes of this
- 1B. What are the differential diagnosis in this patient?
- 1C. How do you investigate this case?
- 1D. Describe the appropriate treatment.

(1+2+2+5 = 10 marks)

2. A 4 year old boy brought to the pediatric surgery outpatient department by his mother with a complaint of the empty scrotum on the right side from birth.

- 2A. What is the likely diagnosis in this child?
- 2B. Mention stages of the descent of testes
- 2C. How do you manage this patient?

(1+4+5 = 10 marks)

3. Short Answer Questions:

- 3A. Gall stone ileus
- 3B. Treatment of achalasia cardia
- 3C. Management of infantile hypertrophic pyloric stenosis
- 3D. Nonsurgical therapy for hepatocellular carcinoma
- 3E. Clinical features of a ruptured spleen
- 3F. Endoscopic retrograde cholangio pancreatography
- 3G. Differences between ulcerative colitis and Crohn's disease
- 3H. Sportsman's hernia
- 3I. Inserting and managing a chest drain
- 3J. Nonsurgical treatment of hemorrhoids
- 3K. Management of varicocele
- 3L. Treatment of hydrocephalus
- 3M. What are the indications and types of pyeloplasty
- 3N. Congenital hydrocoele
- 3O. Treatment of a mesenteric cyst

(4 marks × 15 = 60 marks)

