

# MANIPAL ACADEMY OF HIGHER EDUCATION

FINAL MBBS PART – II DEGREE EXAMINATION – FEBRUARY/MARCH 2022

SUBJECT: SURGERY: PAPER – I (ESSAY)

(2017-18 Batch - Regular/2016-17 & Prior Batch – Repeater)

Monday, February 28, 2022

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 question:

1. A 50 years old male smoker who is also a diabetic and hypertensive presents with crampy pain in right leg on walking and blackish discoloration with foul smelling discharge from right great toe.
  - 1A. Name two most likely differential diagnosis with reasons
  - 1B. Enumerate investigations for the described scenario
  - 1C. Explain treatment options for the given condition

(2+3+3 = 8 marks)

### 2. Short Answers:

- 2A. Factors affecting wound healing
- 2B. Classify shock. Explain the pathophysiology of hypovolemic shock.
- 2C. Complications of varicose veins
- 2D. Definition, causes and management of hypokalemia
- 2E. Treatment options for multinodular goiter
- 2F. Breast conservation surgery - Definition and contraindications
- 2G. Explain surgical anatomy of parotid. Enumerate two methods to identify facial nerve during surgery
- 2H. Complications of blood transfusion

(4 marks × 8 = 32 marks)

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

### ✍ Essay questions:

3. Classify fracture of neck of femur. Describe management of fracture neck of femur in different age groups.

(8 marks)

4. **Write Short notes on:**

- 4A. Enumerate displacement and complications of colles fracture
- 4B. Add a note on Ponsetti method of treatment of CTEV
- 4C. Triple deformity
- 4D. Monteggia fracture dislocation
- 4E. Add a note on various modalities of treatment of osteosarcoma
- 4F. Discuss stages of fracture healing
- 4G. Classify nerve injuries
- 4H. Clinical features of tuberculosis of hip

(4 marks × 8 = 32 marks)



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**SUBJECT: SURGERY: PAPER – II (ESSAY)**  
(2017-18 Batch - Regular/2016-17 & Prior Batch – Repeater)  
Tuesday, March 01, 2022

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL questions.**

✍ **Essay Questions:**

1. A 65-year-old man comes to urology clinic with complaints of difficulty in passing urine since six months. On rectal examination the prostate is found to be enlarged. What are the other possible symptoms and signs this patient is likely to have? How do you investigate and treat this patient?

(4+3+3 = 10 marks)

2. A 35-year-old male comes with the history of retrosternal burning pain, epigastric pain and regurgitation since one year. He also gives history of odynophagia for hot beverages. What are the etiologies of this condition? How do you manage this patient? Add a note on complications of this condition.

(3+4+3 = 10 marks)

3. **Short Notes:**

- 3A. How do you diagnose and eradicate H pylori infection?  
3B. Clinical features and metabolic effects in gastric outlet obstruction  
3C. Classification of severity of ulcerative colitis add a note extra intestinal manifestations  
3D. Complications and treatment of Meckel' diverticulum  
3E. Classify Fistula in Ano. Add a note on setons  
3F. Clinical features and classification of choledochal cyst  
3G. Clinical features of obstructive jaundice  
3H. Indications and procedure of using Sengstaken Blakemore tube  
3I. Treatment of full thickness rectal prolapse  
3J. Postoperative complications of splenectomy  
3K. Complications of inguinal hernia and their presentations  
3L. Classification and clinical features of mesenteric cyst  
3M. Clinical features and treatment of imperforate anus  
3N. Types and treatment of hypospadias  
3O. Classification of brain tumors

(4 marks × 15 = 60 marks)

