

MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL MBBS PART – II DEGREE EXAMINATION – OCTOBER 2020
SUBJECT: SURGERY: PAPER – I (ESSAY)

Monday, October 12, 2020

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

✍ **Long Answers:**

1. A 20-year-old female patient presents with a diffuse swelling in front of the neck that moves up with deglutition. She also has excessive sweating, anxiety, tremors, eye signs, and tachycardia.
 - 1A. What is the clinical diagnosis
 - 1B. Name four eye signs associated with this condition
 - 1C. Mention investigations to confirm the diagnosis
 - 1D. Describe the different modalities of treatment of the above condition.

(1+2+1+4 = 8 marks)

2. **Write short notes on:**

- 2A. Stages of healing following a split skin grafting
- 2B. Monitoring of patients in shock
- 2C. Polyglactin suture material
- 2D. Lipoma - clinical features and complications
- 2E. Management of Buerger’s disease
- 2F. Oral submucous fibrosis - clinical features and treatment
- 2G. Neuroblastoma - clinical feature & Treatment
- 2H. TNM staging of carcinoma breast

(4 marks × 8 = 32 marks)

SECTION "B" (ORTHOPAEDICS) : 40 MARKS

1. Classify supracondylar humerus fracture in children. Add a note on clinical features and management of cubitus varus deformity.

(4+4 = 8 marks)

2. **Write short note on:**

- 2A. Monteggia fracture.
- 2B. Colles fracture
- 2C. Plaster of Paris
- 2D. Thomas splint
- 2E. Radiological signs of nonunion
- 2F. Classify neck of femur fracture.
- 2G. Clinical features and management of osteosarcoma in lower end of femur.
- 2H. Add a note on management of Volkmann ischemia contracture

(4 marks × 8 = 32 marks)

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✍ **Answer ALL questions.**

✍ **Essay Questions:**

1. A 50 year male company executive come to the emergency department with acute onset of severe pain abdomen with non-bilious vomiting. On evaluation he is profoundly dehydrated in altered sensorium. Further enquiry reveals that he was taking medications for chronic knee joint pain from a drug shop. What is the likely clinical diagnosis? What could be the likely electrolyte imbalance in this patient and explain its pathophysiology? How do you manage this condition?

(2+3+5 = 10 marks)

2. 55 year old male presents with left sided groin swelling extending in to the scrotum which disappears on lying down. What are the differential diagnosis for this condition? Explain the applied anatomy of groin with the help of a diagram. Write a note on treatment of the above condition

(2+4+4 = 10 marks)

3. **Short answers:**

- 3A. Management of solitary rectal ulcer syndrome
- 3B. Management of acalculous cholecystitis
- 3C. How to differentiate omental cyst from mesenteric cyst?
- 3D. Enumerate Glasgow coma scale
- 3E. Tension pneumothorax
- 3F. Types of tracheoesophageal fistula
- 3G. Thimble bladder
- 3H. Extradural hematoma
- 3I. Insulinoma
- 3J. Management of amoebic liver abscess
- 3K. Investigations for renal cell carcinoma
- 3L. Management of GIST (Gastro Intestinal Stromal Tumor) of stomach
- 3M. Management of Fissure in ano
- 3N. Types of tubercular peritonitis
- 3O. Surgical management of GERD (Gastro Esophageal Reflux Disease)

(4 marks × 15 = 60 marks)

