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MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL MBBS PART – II DEGREE EXAMINATION – APRIL 2024

SUBJECT: SURGERY: PAPER – I (ESSAY)

(OLD REGULATION)

Monday, April 22, 2024

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. Discuss the investigations and treatment of gangrene of right great toe in a 56 year old male patient with history of intermittent claudication in the right calf for the past 6 months. (8 marks)

2. Short Answers:

- 2A. Incidentaloma of adrenal gland
- 2B. Complications of enteral nutrition
- 2C. Principles of treatment of hand infections
- 2D. Complications of treatment for oral cancer
- 2E. Surgery for thyrotoxicosis
- 2F. Fluid resuscitation in adults with flame burns
- 2G. Management of necrotising fasciitis
- 2H. Sentinel Node Biopsy

(4 marks × 8 = 32 marks)

SECTION “B” (ORTHOPAEDICS) : 40 MARKS

✍ Essay question:

3. A 12-year-old boy complained of severe pain and swelling at the lower end of femur for three month duration with 10 kg loss of weight and appetite. His blood parameters revealed very high alkaline phosphatase levels, and x-ray showed destructive lesion at metaphysis with periosteal reaction. What is the most likely diagnosis? Discuss the condition under following headings: Risk factors, clinical features, investigations and treatment. (8 marks)

4. **Write short note:**

- 4A. Fat embolism.
- 4B. Synovial fluid analysis.
- 4C. Clinical features and management of meniscal injuries.
- 4D. Rickets
- 4E. Clinical feature and management of CTEV in 2 year old patient.
- 4F. Clinical feature and management of chronic osteomyelitis.
- 4G. DeQuervain's tenosynovitis.
- 4H. Care of a paraplegic patient.

(4 marks × 8 = 32 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL MBBS PART – II DEGREE EXAMINATION – APRIL 2024

SUBJECT: SURGERY PAPER – II (ESSAY)

(OLD REGULATION)

Wednesday, April 24, 2024

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

☞ **All questions are compulsory.**

☞ **Essay Questions:**

1. A 53 years old male cirrhotic presents with worsening of ascites and a space occupying lesion in the right lobe of liver.
 - 1A. What is the most likely diagnosis?
 - 1B. What are the risk factors for this condition?
 - 1C. Outline the segmental anatomy of liver
 - 1D. Enumerate the investigations for this condition
 - 1E. What are the treatment options for this condition?

(1+2+2+2+3 = 10 marks)

2. A 65 years old gentleman presents to emergency triage with abdominal pain, foul smelling feculent vomiting, abdominal distension and absolute constipation. He also gives history of easy fatigability with recent change in bowel habits.
 - 2A. What is he likely to be suffering from?
 - 2B. What are the immediate resuscitative measure?
 - 2C. Enumerate the appropriate investigations for the condition
 - 2D. What are the surgical options for this condition?

(1+3+3+3 = 10 marks)

3. **Short Questions:**

- 3A. Complications of splenectomy
- 3B. Investigations and treatment of choledocholithiasis
- 3C. Complications of peptic ulcer disease
- 3D. Components of Ochsner – Sherren regime
- 3E. Treatment options for achalasia cardia
- 3F. Aetiology and complications of acute pancreatitis
- 3G. Treatment options for haemorrhoids
- 3H. Surgical anatomy of prostate and symptoms of benign prostatic hyperplasia
- 3I. Treatment of esophageal varices
- 3J. Components and clinical application of Glasgow coma scale
- 3K. Principles and complications of post-transplant immunosuppression
- 3L. Complications of ulcerative colitis
- 3M. Types and treatment of hydrocele
- 3N. Surgical approaches for femoral hernia
- 3O. Intraperitoneal spaces around liver and their applied aspect.

(4 marks × 15 = 60 marks)

