

Question Paper

Exam Date & Time: 12-Feb-2024 (10:20 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD PROFESSIONAL YEAR MBBS PART II DEGREE EXAMINATION - FEBRUARY 2024
SUBJECT: SURGERY PAPER - I
(CBME SCHEME - REGULARS)

Marks: 80

Duration: 160 mins.

Answer all the questions.

Write relevant answers briefly and illustrate them with neatly labelled diagrams wherever appropriate

Long Answer Questions:

- 1) A 32 years old male, manual labourer, presents with gangrene of the left index finger since 3 days. On examination there is a hard fixed swelling in the left supraclavicular fossa
- 1A) What is the likely diagnosis? (1)
- 1B) What are the clinical features of this condition? (3)
- 1C) What are the findings expected in the three salient investigations for this patient? (3)
- 1D) Describe the surgical treatment of choice in this patient (3)
- 2) A 42 years old female presents with an insidious onset progressive 5.0 x 5.5 cms hard lump in the upper outer quadrant of the left breast since 3 months. On examination there are 2 hard, mobile, left central axillary lymphnodes
- 2A) What are the findings expected in the two salient investigations to confirm the diagnosis? (2)
- 2B) What is the approach to stage the disease in the patient? (2)
- 2C) Elucidate the principles in planning the treatment for the patient (3)
- 2D) Discuss the principles involved in considering breast conservation surgery in this patient (3)

3) Short Answer Questions

- 3A) Discuss your approach to investigate a patient with solitary thyroid nodule (4)
- 3B) Enumerate causes of massive haematuria (4)
- 3C) Depict salient differences between primary and secondary thyrotoxicosis (4)
- 3D) Propose a follow up plan for patients initially managed conservatively for acute appendicitis(4)
- 3E) Draw a treatment algorithm for pseudocyst of pancreas (4)
- 3F) Appraise the role of various positions of mesh placement during incisional hernia repair (4)
- 3G) Debate the role of prophylactic central neck dissection in papillary carcinoma of thyroid (4)
- 3H) Enumerate the post hepatic causes of portal hypertension (4)
- 3I) Illustrate with diagrams the various vitello intestinal duct anomalies (4)
- 3J) Enumerate the salient steps in superficial conservative parotidectomy (4)
- 3K) Appraise the surgical treatment options for fistula-in-ano. (4)
- 3L) Enumerate the salient steps in the surgical treatment of hydatid cyst of the liver (4)
- 3M) Classify the causes of occult lower gastro intestinal bleeding (4)
- 3N) Design the treatment plan for a patient with phaeochromocytoma. (4)
- 3O) Using figures, summarise the Japanese classification of Early Gastric Cancer and Bormann classification of advanced gastric cancer. (4)

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Question Paper

Exam Date & Time: 14-Feb-2024 (10:20 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD PROFESSIONAL YEAR MBBS PART - II DEGREE EXAMINATION - FEBRUARY 2024
SUBJECT: SURGERY PAPER - II
(CBME SCHEME - REGULARS)

Marks: 80

Duration: 160 mins.

SECTION I - 'GENERAL SURGERY'

Answer all the questions.

Write relevant answers briefly and illustrate them with neatly labelled diagrams wherever appropriate.

Long Answer (Essay) Questions

- 1) A 40 years old lady presented to the emergency department with burns to the front of the chest and left upper limb only and suspected inhalation injury to the lung. On examination, she looks pale, and systolic blood pressure was 100 mm of Hg.
- 1A) What is the type of shock she is having and How do you calculate percentage of burns and fluid requirement? (3)
- 1B) How do you resuscitate this patient? (3)
- 1C) Enumerate the tests- lab investigations and radiological investigations- which you will do in your patient. (2)
- 1D) What are the long term complications of burns injury? (2)

2) Short Answer Questions

- 2A) What are the measures taken in the ward while treating a patient with MRSA (Methicillin Resistant Staphylococcus organisms) infections? (4)
- 2B) What are the principles of clinical research? (4)
- 2C) Indications and principles of organ transplantation. (2+2 = 4 marks)
- 2D) How do you resuscitate a patient who is admitted with septic shock due to diabetic ketoacidosis? (4)
- 2E) Following a road traffic accident, 30-year young man was brought to trauma triage with unconscious state. He was responding only to painful stimuli. How do you conduct primary survey in this patient? (4)
- 2F) Enumerate the "deadly dozen" threats to life from chest injuries (4)
- 2G) How do you counsel and communicate the diagnosis of the case of carcinoma breast with lung secondary? (4)

SECTION II - 'ALLIED SURGICAL SUBJECTS'

Answer all the questions.

Long Answer (Essay) Question

3) A 27-year-old male, who was a pillion rider on the bike was brought to the emergency department following alleged history of road traffic accident two hours ago. He was conscious and oriented, but drowsy, his heart rate was 110 per minute and BP was 96 / 60 mm Hg. He was spontaneously breathing and maintain an SpO₂ of 96%. He had an 8 x 5 cm open wound on his left leg exposing the underlying muscle and fractured bone.

3A) How will you classify this type of fractures? (2)

3B) How will you assess and resuscitate this patient in the emergency room as per the Advanced trauma life support (ATLS) protocol? (4)

3C) How will you definitely manage his fracture once he is hemodynamically stabilized? (4)

4) **Short Answer Questions:**

4A) Radial nerve palsy. (4)

4B) Radiological features of giant cell tumour of the proximal tibia. (4)

4C) Management of Acute gout. (4)

4D) Clinical features of nutritional rickets. (4)

4E) Anterior dislocation of the shoulder joint. (4)

4F) Role of radiological imaging modalities in diagnostic approach for acute pain abdomen (4)

4G) Draw and label the neuromuscular junction. Classify the neuromuscular blocking agents. (2+2 = 4)

4H) Indications, contraindications and complications of central neuraxial blockade. (1+1+2 = 4 marks)

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