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All India Institute of Medical Sciences, Kalyani
Fourth Professional MBBS Examination, January 2024

Time: 3 Hrs.

GENERAL MEDICINE
(Paper-II)

Marks: 100

INSTRUCTIONS:

- Answer all questions.
- Illustrate your answers with well labelled diagram wherever necessary.
- Answer each section in a separate answer book.

SECTION - A (40 MARKS)

1. A 20-year-old lady with Type 1 Diabetes Mellitus presented to the emergency department with nausea, vomiting, abdominal pain. On examination she was found to be conscious, lethargic with pulse rate was 108/min, blood pressure of 96/66 mm of Hg. Capillary blood glucose was 410 mg/dl, arterial blood gas (ABG) analysis showed a pH of 7.1, serum bicarbonate of 13 mEq/L, urine ketones 2+. Serum amylase was found to be marginally elevated. (1+2+5+2=10)
- a. Identify the glycaemic emergency.
 - b. Severity assessment of this condition.
 - c. Describe the management of this condition.
 - d. List the complications of this condition.

How will you investigate

(3×5=15)

2. Acute febrile illness with rash
3. Hemolytic anemia
4. Pancytopenia

Write short notes on

(3×5=15)

5. Opportunistic infections in HIV (5)
6. Vitamin B12 deficiency – etiology, clinical features, management (1+2+2)
7. Acute gouty arthritis – clinical features and management (2.5+2.5)

SECTION - B (40 MARKS)

1. A 45-year-old male from Bihar has presented to medicine OPD with complaints of fever since last 2 months along with anorexia and weight loss around 5 kg over last 3 months. On examination, he was found to have pallor and hepatosplenomegaly. (2+2+6=10)
- What are the possible differential diagnosis?
 - How do you define Fever of Unknown Origin (FUO)?
 - How do you approach and investigate this case to reach to a diagnosis?

Discuss the treatment of

(3×5=15)

- Neurotoxic snake bite
- Scleroderma
- Multiple myeloma

Write short notes on

(3×5=15)

- Paraneoplastic syndrome – causes, clinical features, management (1+2+2)
- Transfusion related acute lung injury – clinical features and management (2.5+2.5)
- Death Declaration (5)

SECTION - C (20 MARKS)

PSYCHIATRY

- What are the cardinal signs of Severe Depression? How will you manage a case of severe depression? (2+3=5)
- Enumerate Atypical Antipsychotics. What are the long-term side effects of antipsychotics? (1+2=3)

Write briefly on the following

(4×3=12)

- Enumerate the rights of Mentally ill patients under MHCA
 - Hallucination
 - Diagnostic features of OCD
 - Systematic desensitization
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