

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A Deemed to be University)
MBBS Phase III Part II Examination February 2025

Time: 180 Minutes

Max Marks: 80 Marks

General Medicine Paper I

QP CODE: C4121

*Your answer should be specific to the question asked
Draw neat labelled diagrams wherever necessary*

Long Essay

10 × 2 = 20 Marks

1. 60year old male patient with no known co-morbidities with history of multiple episodes of loose stools and vomiting since 3 days, reduced urine output since 1day. On examination patient is found to have dry tongue, reduced skin turgor, BP=70/50mmHg, Respiratory rate 26 cycles per min. Patient is investigated and his investigations are as follows – PH 7.1, HCO₃⁻ 14, PCO₂ 30, serum creatinine 1.2mg/dl, blood urea 80mg/dl, urine examination unremarkable, UGS abdomen and pelvis is normal.

How will you manage this patient in emergency?

What is the pathophysiology of rise in renal parameters in this patient?

2. Describe the prophylactic drugs used to prevent HIV related opportunistic infections (5)

Short Essay

5 × 12 = 60 Marks

3. Outline the initial management (investigations and treatment) for a patient with angina

4. List the indications and contraindications for thrombolysis in myocardial infarction

5. How do you diagnose a patient of acute rheumatic fever?

6. Discuss and communicate the ethical and legal issues involved in renal replacement therapy

7. Discuss about patients' education, and the public measures to prevent obesity and promote a healthy lifestyle

8. Describe and discuss the physiologic and biochemical basis of hyperbilirubinemia

9. Describe and discuss the aetiology and pathophysiology of liver injury

10. Perform a systematic examination that establishes the diagnosis and severity that includes nutritional status, mental status, jaundice, abdominal distension ascites, features of Porto systemic hypertension and hepatic encephalopathy

11. Describe and enumerate the indications and side effects of drugs for bacterial, viral and other types of diarrhoea

12. Describe the clinical manifestations and management of scorpion sting.

13. Identify and discuss medicolegal, social economic and ethical issues of organ donation?

14. Approach to the diagnosis and management of the patient with hyperkalaemia

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General Medicine Paper II

QP CODE: C4122

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Long Essay

10 × 2 = 20 Marks

1. Enumerate causes of stroke in young. Describe diagnostic algorithm of a 25-year-old man presenting in unconscious state. (4+6)
2. A 50-year-old male patient resident of Kolar presents with fever and cough associated with greenish sputum and tachypnoea since 7 days, chest x-ray shows opacities in bilateral lower zones. What is the diagnosis? How will you investigate and treat the case?

Short Essay

5 × 12 = 60 Marks

3. Describe the diagnosis and management of migraine.
4. Prescribe a management plan including dose and frequency for a patient of Megaloblastic anaemia (5)
5. A 50-year-old vagabond presented with complaints of easy fatigability, memory impairment and tingling and numbness in both hands. Plan management for this patient (5)
6. Describe the common issues encountered in patients at the end of life and principles of management
7. Discuss the pathogenesis and precipitating factors, clinical features and management of diabetic ketoacidosis
8. Classify antithyroid medications. Add a note on indications, adverse reaction, interactions of antithyroid medication.
9. Discuss the aetiopathogenesis, clinical presentation, acute care and management of CVA in the elderly
10. Explain in detail classification of pneumonia based on mode of acquiring pneumonia? (5)
11. 25-year-old male presented with depigmented macules over trunk, right forearm, both lower limbs and white hair on the lesion over right forearm since 6 years. Identify the condition and explain about the etiopathogenesis, clinical features and management.
12. Describe the aetiology, microbiology, pathogenesis, clinical presentations and diagnostic features of Herpes Zoster.
13. Classify and grade Eczema. Enumerate the causes & clinical features of Allergic Contact Dermatitis.
14. Enumerate the signs of Lithium Toxicity?