

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

M B B S Phase III Part II Examinations, Feb 2024

Time: 180 Minutes

Max Marks: 80 Marks

General Medicine P I

QP CODE: C4121

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

Long Essay $10 \times 2 = 20$ Marks

1. A 52 year old male patient diabetic and hypertensive presented with left sided chest pain radiating to the jaw and arm which is aggravated on exertion. What are the risk factors for the above? Outline the management of the above patient including investigations and treatment modalities.
2. List the different types of malaria with organism causing the same, How will you differentiate them.

Short Essay $5 \times 12 = 60$ Marks

3. Outline a scheme for the assessment , investigation and management for stable angina
4. Discuss the pathophysiology of renal osteodystrophy and its management
5. A 45 year old female patient presented with loose stools and vomiting since 5 days with decreased urine output , puffiness of face and swelling of both lower limbs . On examination patient had a heart rate of 110 bpm , BP of 90/50 mmHg , pedal edema. investigations revealed Hb of 12 g% , total counts of 18,000 , platelets of 1,70,000 , Urea of 110 mg/dl , Creatinine of 3.2 mg/ dl. (a) What is the Diagnosis ? (b) How do you evaluate and manage this patient ? (c) What are the complications ?
6. Discuss the indications for hemodialysis dialysis. Add a note on complications of hemodialysis.
7. What is bariatric surgery . Add a note on indications and side effects of bariatric surgery. (1+2+2)
8. Describe and discuss the pathophysiology, clinical evolution and complications of cirrhosis and portal hypertension including ascites, spontaneous bacterial peritonitis, hepatorenal syndrome and hepatic encephalopathy
9. Enumerate and describe the causes and pathophysiology of drug induced liver injury
10. Enumerate the indications for hepatic transplantation
11. Counsel patients on prevention of HIV transmission
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 hyperkalemia

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Long Essay 10 × 2 = 20 Marks

1. Blood supply of brain and its importance in localization of site of stroke. (5+5)
2. A 35 year old male patient resident of kolar, presents with fever and cough since 7 days. He was symptomatically well until 7 days earlier, when he suffered the onset of mild sore throat and cough with productive sputum. Now, patient has decided to seek physician assistance because of an increase in temperature to 38.3 degree C and bouts of coughing that produce purulent secretions. What is the diagnosis? How will you manage the case (investigations, treatment).

Short Essay 5 × 12 = 60 Marks

3. Describe the diagnosis and management of migraine.
4. A 50 year old woman presented with complaints of easy fatigability, memory impairment and tingling and numbness in both hands. Plan management for this patient (5)
5. Develop an investigation plan for a patient of hypoproliferative anemia (5)
6. Describe and distinguish the difference between curative and palliative care in patients with cancer
7. Classify insulins and add a note on indications, contraindications to start insulin therapy
8. Discuss the iodisation programs of the government of India
9. Discuss the aetiopathogenesis, clinical presentation, identification, of vascular changes in the elderly
10. Discuss the key points of Klebsiella pneumonia (5 marks)
11. Enumerate the etiopathogenesis, clinical features, nail changes, management of Lichen Planus.
12. Define Acne. Explain in detail about etiopathogenesis, clinical features, grading and treatment in Acne Vulgaris.
13. Write a note on etiopathogenesis, signs and symptoms, management of Pemphigus Vulgaris.
14. Describe the Patient's speech in Mania

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M.B.B.S Phase-III (Part II) Degree examination Feb 2024

Time:3 hours

Max Marks:100

GENERAL MEDICINE- PAPER 1

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

LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate Causes of upper gastrointestinal bleeding and discuss investigations and treatment of bleeding esophageal varices. (4+3+3)
2. Enumerate common causes and mechanism of generalized edema. Differentiate cardiac edema, renal edema, and hepatic edema (2+3+5)

SHORT ESSAY

10 X 5 = 50 Marks

3. Discuss the causes, clinical features and management of food poisoning (1+2+2)
4. Chronic alcoholic presented with acute abdominal pain. Discuss possible differential diagnosis.
5. Discuss Kartagener syndrome - clinical features and management (3+2)
6. Discuss causes, clinical feature and management of atrio-ventricular block (2+1+2)
7. Viper bite Clinical features and management (2.5+2.5)
8. Enumerate components of Glasgow coma score
9. Discuss etiopathogenesis, clinical features and management of Wilson's disease (1+2+2)
10. Discuss gluten induced enteropathy, clinical features and its management
11. Discuss clinical features and treatment of malignant hyperthermia (1+2+2)
12. List 5 differentiating features of emphysema and chronic bronchitis

SHORT ANSWERS

10 X 3 = 30 Marks

13. Mention THREE laboratory investigations suggestive of poor prognosis in cirrhosis
14. Mention THREE complications of Infective endocarditis
15. Mention THREE causes of Nonresolving pneumonia
16. Mention THREE causes of Hypercalcemia
17. Mention THREE common complications associated with Antiretroviral treatment
18. Name 6 signs of Organophosphorous poisoning
19. Enumerate two H₂ Receptor Antagonists and its one clinical use
20. Define and classify different types of Respiratory Failure (1+2)
21. Mention THREE cardinal laboratory abnormalities in obstructive jaundice
22. Mention the clinical features of cholera

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GENERAL MEDICINE- PAPER 2

*Your answer should be specific to the question asked
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LONG ESSAY

2 X 10 = 20 Marks

1. Define acute glomerular nephritis -etiology,types ,clinical features ,investigations and management (1+1+3+2+3)
2. Discuss about etiopathogenesis, clinical features, investigations and treatment of Tubercular Meningitis (3+3+2+2)

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe clinical features,investigation and treatment of Churg strauss syndrome (3+1+1)
4. Discuss etiology, clinical manifestations and management of schizophrenia (1+2+2)
5. Impotence - discuss its causes and medical management
6. Guillain barre syndrome -clinical features,investigation and treatment (3+1+1)
7. Discuss the types ,clinical manifestations and management of scurvy(1+3+1)
8. Approach to a patient with Heparin induced thrombocytopenia
9. Discuss about investigations and treatment of HIV associated nephropathy (2+3)
10. Discuss in brief about Monoclonal antibodies
11. Malignant melanoma - risk factors ,clinical features and significant changes suggesting development of melanoma (1+2+2)
12. Discuss gene therapy

SHORT ANSWERS

10 X 3 = 30 Marks

13. Mention 3 new biomarkers of ACUTE KIDNEY INJURY
14. Mention 3 anti thyroid drugs and 2 side effects
15. List 3 complications of hereditary spherocytosis
16. Name 3 drugs used in treatment of osteoporosis
17. Mention 3 complications methotrexate
18. Mention 3 signs of klinefelters syndrome
19. Mention 3 clinical features of cortical stroke
20. Describe generalized anxiety disorder
21. Anorexia Nervosa
22. mention 3 dermatological manifestations of internal malignancies

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GENERAL MEDICINE- PAPER 1

*Your answer should be specific to the question asked
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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Describe etiopathogenesis, clinical features, complications and management of cholera (2+3+2+3)
2. Describe etiopathogenesis, stages, clinical features and management of alcoholic liver disease (2+2+3+3)
3. Mention commonly encountered poisonous snakes in your place and describe the clinical manifestations and management (2+4+4)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Discuss differences between lepromatous and tuberculoid leprosy
5. Discuss etiopathogenesis and clinical features of mitral regurgitation (2+3)
6. Discuss about Mallory Weiss tear- risk factors, clinical features and management (1+2+2)
7. Describe clinical features, investigations and treatment of spontaneous bacterial peritonitis (2+1+2)
8. List 3 drugs used in treatment of status epilepticus. Mention 1 adverse effect of each drug.
9. Discuss the clinical features and treatment of Irritable bowel syndrome (3+2)
10. Discuss pathogenesis, clinical features, diagnosis and management of miliary tuberculosis (1+2+1+1)
11. Describe clinical features and management by scorpion sting (2.5+2.5)
12. Enumerate tension pneumothorax with its clinical features and treatment (1+2+2)
13. Describe etiopathogenesis, clinical features and management of chronic pancreatitis (2+2+1)
14. Discuss components of Modified Jones criteria
15. Describe the WHO clinical staging of HIV infection

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Comment on second heart sound in atrial septal defect and its mechanism (1+2)
17. Mention THREE clinical parameters to assess the severity of dehydration
18. Mention THREE causes of splinter hemorrhages in the nails
19. Enumerate causes of Steatorrhea and mention one investigation for the same. (2+1)
20. List THREE diseases caused by human papilloma virus
21. List THREE causes of spider angiomas
22. Mention THREE ECG features of hypokalemia
23. Discuss etiology, clinical features and management of gonococcal infections (1+2+2)
24. Mention THREE complications of pneumonia
25. List THREE systemic complications of acute pancreatitis

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Max Marks:100

GENERAL MEDICINE- PAPER 2

*Your answer should be specific to the question asked
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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Outline the causes of coma,how to proceed to investigate and manage the case of patient in coma(3+3+4)
2. Define acute glomerular nephritis -etiology,types ,clinical features ,investigations and management (1+1+3+2+3)
3. Systemic Lupus Erythematosus-Clinical features ,diagnostic criteria, investigations and management.Add note on Lupus Nephritis.((2+2+2+2+2)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Acute adrenal crisis-Clinical features,investigations and treatment.(2+1+2)
5. Hypersensitivity reactions-types, mechanism, examples of each types of hypersensitivity reaction (2+1+2)
6. Describe thiamine deficiency-clinical syndromes and management
7. Blood transfusion - indications,components and complications (2+2+1)
8. Sydenhams chorea - etiopathogenesis,clinical features,investigation and treatment (1+2+1+1)
9. Analgesic nephropathy - etiology ,clinical features,investigations and treatment (1+1+1+2)
10. Klinefelter syndrome- clinical features,investigation and complications (3+1+1)
11. Discuss etiology, clinical manifestations and management of schizophrenia (1+2+2)
12. Malignant melanoma - risk factors ,clinical featurers and significant changes suggesting development of melanoma (1+2+2)
13. Discuss in brief about Monoclonal antibodies
14. Pernicious anemia -etiopathogenesis,clinical features,investigation and treatment (2+1+1+1)
15. Discuss about common neurological manifestations of Herpes zoster infection

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. List the immunosuppressive drugs used during renal transplantation
17. Describe the components of foster kennedy syndrome
18. Describe Chvostek's sign and write about its clinical significance
19. Electroconvulsive therapy - 3 indications
20. Mention Indications of platelet transfusion in dengue fever
21. Mention 3 causes of pseudo-gout
22. Mention 3 signs of Marfan syndrome
23. Mention 3 systemic causes (medical causes) of genaralised pruritus
24. Mention 3 drugs causing osteoporosis
25. Name three antifungal agents