

**EXAM QUESTIONS / SUB QUESTIONS**  
**INTERNAL MEDICINE MANAGEMENT AND BASICS OF GERIATRICS FOR**  
**GRADUATE MEDICAL STUDENTS**

**I. Cardiovascular system diseases, understanding and evaluation of the complexity of the clinical manifestation of diseases, differential diagnosis, main directions of treatment, rational pharmacotherapy.**

1. Acute and chronic heart failure, classification, differential diagnosis, principles of treatment, main groups of remedies.
2. Cardiac arrhythmias, mechanism of development, classification, forms, Clinical assessment of arrhythmias and diagnosis of arrhythmias. Arrhythmias caused by disturbance in impulse generation, bradyarrhythmia, tachyarrhythmia.
3. Main groups of antiarrhythmic drugs.
4. Vascular failure, heart failure, shock, pulmonary Edema.
5. Arterial hypertension, classification, differential diagnosis, hypertensive crisis, treatment, prevention, main groups of hypertensive drugs.
6. Congenital heart defects in adults.
7. Rheumatism
8. Infectious endocarditis
9. Acquired heart defects.
10. Ischemic heart disease, classification, differential angina, Myocardial Infraction, complications, help for stable angina, unstable angina during acute myocardial infraction.
11. Myocarditis, cardiomyopathies, accumulation diseases.
12. Pulmonary heart
13. Heart tumours
14. Pericardial diseases, cardiac tamponade.
15. Aortic diseases.
16. Diseases of peripheral blood vessels.
17. Heart transplantation
18. Peculiarities of cardiovascular disease in old age

**II. Diseases of respiratory system, understanding and evaluation of the complexity of clinical manifestations of diseases, main directions of treatment, rational pharmacotherapy.**

19. Examination of external breathing functions, spirometry data, indicators of functional lung failure.
20. Respiratory distress syndrome of adults.
21. Chronic Obstructive Pulmonary Disease, diagnosis, differential diagnosis, principles of treatment.
22. Bronchial asthma, drugs recommended for the treatment of bronchial asthma.

23. Pneumonia, classification, clinical microbiological forms of pneumonia, differential diagnosis. Basic principles of treatment of pneumonia.
24. Lung abscess. Gangrene.
25. Bronchiectasis
26. Cystic fibrosis
27. Primary pulmonary hypertension
28. Lung cancer, classification
29. Interstitial lung diseases ; sarcoidosis, idiopathic pulmonary fibrosis, alveolar proteinosis, histiocytosis X, Goodpasture's syndrome, Wegener's Granulomatosis, Idiopathic hemosiderosis.
30. Pulmonary Tuberculosis, diagnosis, differential diagnosis, treatment
31. Sleep apnoea syndrome, pickwick syndrome
32. Pulmonary artery thromboembolism, anticoagulant treatment, thrombolytic therapy
33. Diseases of the pleura, pneumothorax, diagnosis, treatment.
34. Peculiarities of diseases of the respiratory system in the elderly

**III. Diseases of the digestive system, understanding and evaluating the complexities of the clinical manifestation of diseases, drug pharmacotherapy**

35. Esophagitis diseases, esophagitis, types of esophagitis, reflux esophagitis, achalasia. Diagnosis and differential diagnosis. Treatment and prevention. Oesophageal cancer.
36. Stomach diseases. Gastritis. Calcification, specific forms of chronic gastritis, peptic ulcer, diagnosis, complications. Helicobacter pylori associated peptic ulcer treatment regimens. Basic principles of treatment, drugs.
37. Zollinger – ellison syndrome
38. Tumors of the stomach
39. Intestinal diseases, major syndromes, lactase deficiency, celiac disease, tropical sprue, Whipple's disease, short bowel syndrome.
40. Crohn's disease, non specific ulcerative colitis, diagnosis, differential diagnosis, treatment
41. Irritable bowel syndrome, pseudomembranous colitis, periodic disease
42. Pancreatic diseases, diagnosis, differential diagnosis, principles of treatment
43. Acute viral hepatitis, differential diagnosis.
44. Hepatitis of medicinal and toxic aetiology.
45. Alcoholic Liver disease
46. Chronic hepatitis, classification, differential diagnosis, principles of treatment
47. Wilson's disease, hemochromatosis
48. Liver cirrhosis, classification, portal hypertension, causes, severe complications, principles of treatment.
49. Primary biliary cirrhosis, secondary biliary cirrhosis, congestive hepatopathy, and cardiac cirrhosis and Budd Chiari syndrome.
50. Liver abscess, liver echinococcosis

51. Liver tumours, liver amyloidosis, sarcoidosis, glycogen storage disease.
52. Disorders of bilirubin exchange, syndromes
53. Diseases of the gall bladder and biliary tract. Acalculous and calculus cholecystitis, choledocholithiasis, sclerotising cholangitis.
54. Features of diseases of digestive system in old age
55. Peculiarities of diseases of liver, biliary tract and pancreas in old age

**IV. Rheumatic diseases, understanding and evaluation of the complexity of the clinical manifestations of diseases, differential diagnosis, main directions of treatment, rational pharmacotherapy**

56. Working classification of rheumatic diseases.
57. Systemic lupus erythematosus, systemic scleroderma, dermatomyositis, diagnosis, differential diagnosis, principle of treatment, main remedies.
58. Mixed connective tissue diseases.
59. Sjogren's syndrome, polymyalgia rheumatica.
60. Rheumatoid arthritis, juvenile rheumatoid arthritis, diagnosis, differential diagnosis, principles of treatment
61. Ankylosing spondylosis, Reiter's syndrome, psoriatic arthritis, differential diagnosis.
62. Osteoarthritis, gout, diagnosis, treatment of differential diagnosis
63. Nodular poly arthritis, Bechet's disease, erythema nodosum . Dysenteric, viral, syphilitic, gonococcal tuberculosis, brucellosis arthritis.
64. Systemic diseases of joints and connective tissues. Peculiarities of the course in old age.

**V. Kidney diseases, understanding and evaluation of the complexities of the clinical manifestations of the disease, differential diagnosis, main directions of treatment, rational pharmacotherapy**

65. Acute and chronic kidney failure, clinical picture, water and electrolyte exchange disorders, changes in organ systems, differential diagnosis, principles of treatment
66. Nephrotic syndrome, clinical picture, treatment
67. Primary glomerulopathies, acute glomerulonephritis, acute poststreptococcal glomerulonephritis, rapidly progressive glomerulonephritis
68. Chronic glomerulonephritis, Berger's disease. Current chronic with isolated urine syndrome. Glomerulonephritis, membranoproliferative glomerulonephritis, membranous glomerulonephritis.
69. Secondary glomerulopathies. Systemic necrotizing vasculitis. Polyarteritis nodosa, Henoch Schönlein disease, Wegener's granulomatosis, haemolytic uremic syndrome, Goodpasture's syndrome.
70. Amyloidosis, clinical picture, diagnosis, principles of treatment.
71. Diabetic nephropathy, papillary necrosis

72. Congenital nephropathies, X linked nephrogenic diabetic insipidus, fancon syndrome, polycystic kidney disease
73. Acute and chronic nephritis, interstitial nephritis, Urinary tract infection
74. Acute and chronic pyelonephritis, diagnosis, differential diagnosis, principle of treatment
75. Nephrolithiasis, stone formation, clinical picture, diagnosis, principles of treatment, kidney transplantation.
76. Kidney replacement therapy.
77. Peculiarities of urinary system diseases in old age.

## **VI. CLINICAL GERIATRICS**

78. Geriatrics and gerontology
79. Theories of ageing
80. Classification of elderly population
81. Age and aging
82. Evaluation of geriatric patient
83. Major geriatric syndromes
84. Delirium
85. Dementia
86. Depression
87. Seizures
88. Immobility
89. Incontinence
90. Sensitivity disorders in old age
91. Principles of pharmacotherapy in old age.
92. Ethical aspects of geriatric patient care.