

STATE EXAM QUESTIONS – 6th YEAR

I

A1 Chest pain - differential diagnosis.

A2 Dyspnoea - differential diagnosis.

A3 Oedema - differential diagnosis.

A4 Unconsciousness (syncope, coma) - cause, differential diagnosis, therapy.

A5 Cardiac arrest. Principles of cardiopulmocerebral resuscitation.

A6 Diagnostic methods in cardiology.

A7 Acute heart failure - pathogenesis, symptoms, therapy.

A8 Chronic heart failure - pathogenesis, symptoms, diagnostic methods, treatment.

A9 Arrhythmias (abnormalities of automaticity and conduction) - classification, clinical features, diagnostic methods, therapy.

A10 Chronic ischemic heart disease.

A11 Acute coronary syndrome. Myocardial infarction.

A12 Inflammatory heart diseases (endocarditis, myocarditis, pericarditis).

A13 Cardiomyopathies - classification, clinical features, differential diagnosis, therapy.

A14 Mitral valve diseases - etiopathogenesis, clinical features, diagnosis, therapy.

A15 Aortic valve diseases - etiopathogenesis, clinical features, diagnosis, therapy.

A16 Arterial hypertension - epidemiology, etiopathogenesis, classification, clinical features, diagnosis, therapy.

A17 Secondary hypertension - epidemiology, etiopathogenesis, clinical features, therapy.

A18 Hypertensive crisis - causes, clinical features, treatment.

A19 Peripheral arterial disease of lower extremities.

A20 Superficial thrombophlebitis, chronic insufficiency of the leg veins.

A21 Venous thromboembolism.

A22 Shock - pathogenesis, classification, differential diagnosis, symptoms, therapy.

A23 Primary and secondary prevention of cardiovascular diseases.

II

B1 Cough - causes, differential diagnosis.

B2 Hemoptysis - etiology, diagnostic and therapeutic management.

B3 Acute bronchitis, bronchiolitis.

B4 Chronic obstructive pulmonary disease.

B5 Bronchial asthma.

B6 Infectious pneumonia.

B7 Sarcoidosis.

B8 Interstitial pneumonias - classification. Idiopathic pulmonary fibrosis.

B9 Chronic respiratory failure - causes, clinical picture, treatment.

B10 Pleural effusion - etiological differential diagnosis, treatment.

B11 Pneumothorax, tumours of pleura.

B12 Mediastinal diseases.

B13 Tuberculosis.

B14 Lung cancer.

B15 Sleep-related breathing disorders - classification, clinical picture, diagnosis, treatment.

B16 Pneumoconiosis. Silicosis, coal miners' pneumoconiosis, asbestosis.

B17 Hypersensitivity pneumonitis.

III

C1 Abdominal pain – differential diagnosis.

C2 General symptoms of diseases of the upper gastrointestinal tract.

C3 General symptoms of diseases of the lower gastrointestinal tract.

- C4** Gastrointestinal bleeding - causes, differential diagnosis.
- C5** Diagnostic methods in gastroenterology.
- C6** Diseases of oesophagus.
- C7** Inflammatory diseases of stomach.
- C8** Peptic ulcer disease of stomach and duodenum.
- C9** Oesophageal and stomach tumours.
- C10** Malabsorption syndrome, celiac disease.
- C11** Idiopathic inflammatory bowel diseases.
- C12** Functional disorders of gastrointestinal tract.
- C13** Tumours of the colon and rectum.
- C14** Jaundice - classification, differential diagnosis.
- C15** Hepatomegaly and splenomegaly – etiopathogenesis, differential diagnosis.
- C16** Portal hypertension. Ascites - etiopathogenesis, differential diagnosis, treatment.
- C17** Hepatic coma - pathophysiology, clinical manifestation, therapy.
- C18** Acute and chronic hepatitis. Toxic damage of the liver.
- C19** Cirrhosis of the liver.
- C20** Diseases of gallbladder and biliary tract.
- C21** Hepatic and biliary tumours.
- C22** Tumours of pancreas.
- C23** Acute pancreatitis.
- C24** Chronic pancreatitis.

IV

- D1** Functional and morphological examinations of the kidney.
- D2** Proteinuria, haematuria, leucocyturia - differential diagnosis.
- D3** Acute kidney injury and chronic kidney disease (Acute and chronic renal insufficiency).
- D4** Acute and chronic glomerulonephritis.

D5 Tubulointerstitial nephritis.

D6 Nephrotic syndrome.

D7 Tumours of kidney and urinary tract.

D8 Disorders of water metabolism.

D9 Disorders of mineral metabolism.

D10 Disorders of acid-base balance (acidosis, alkalosis).

D11 Poisoning -definition, classification, ways of toxin entry into the body, toxin metabolism, excretion, first aid, general principles of diagnosis and treatment.

D12 The most common drug poisonings -acetylsalicylicacid, paracetamol, phenobarbital, benzodiazepines, tricyclic antidepressants.

D13 Poisoning by cocaine, methamphetamine, morphine, cannabinoids.

D14 Poisoning with methyl alcohol, ethyl alcohol, ethylene glycol.

D15 Mushroom poisoning.

D16 Poisoning by organophosphate and carbamate insecticides.

D17 Diseases from benzene and its homologues.

D18 Poisoning by CO, hydrogen cyanide and cyanides.

D19 Heavy metal poisoning - lead (Pb), mercury (Hg), chromium (Cr), arsenic (As).

D20 Damage by ionizing radiation –acute radiation syndrome, tumours.

D21 Vibration disease, vasoneurosis-etiopathogenesis, diagnosis and treatment.

V

E1 Diabetes mellitus - epidemiology, etiopathogenesis, classification, clinical manifestations, diagnosis.

E2 Diabetes mellitus - therapy, prevention.

E3 Acute and chronic complications of diabetes mellitus.

E4 Dyslipidaemia.

E5 Obesity. Metabolic syndrome.

E6 Gout and hyperuricemic syndrome.

E7 Disorders of nutrition (undernutrition, cachexia). Principles of parenteral and enteral nutrition.

E8 Disorders of hypothalamus and hypophysis.

E9 Thyreotoxicosis.

E10 Hypothyroidism.

E11 Inflammatory and neoplastic diseases of thyroid gland.

E12 Diseases of parathyroid glands. Disorders of calcium metabolism.

E13 Disorders of adrenal glands.

E14 Osteoporosis.

E15 Glucocorticoids - indications, contraindications, adverse effects and their prevention.

VI

F1 Anaemia - diagnostic approach and therapy.

F2 Congenital and acquired bleeding conditions.

F3 Life-threatening bleeding - basic principles, diagnosis, and treatment.

F4 Congenital and acquired thrombophilic conditions.

F5 Principles of antithrombotic (thrombolytic, anticoagulant, and antiplatelet) treatment.

F6 Myeloproliferative neoplasia.

F7 Acute leukaemia, myelodysplastic syndrome and aplastic anaemia.

F8 Lymphadenopathy syndrome and lymphoproliferative diseases. Malignant lymphomas.

F9 Multiple myeloma.

F10 Blood transfusion (indications, contraindications, compatibility, transfusion technique, complications).

F11 Rheumatic fever.

F12 Rheumatoid arthritis.

F13 Systemic diseases of connective tissue (lupus erythematosus).

F14 Sepsis.

F15 Fever - classification, differential diagnosis.

F16 Antibiotics - classification, indications, contraindications.

F17 Non-specific and specific symptoms of malignant tumors.

F18 Human immunodeficiency virus infection.