Final state examination from pediatrics– Examination questions

1. Adaptation to extrauterine life
   Seizures in infants and children
   Hereditary disorders linked to chromosome X

2. Low birth weight newborns
   Osteomyelitis
   Principles of cardiopulmonary resuscitation in infants and children

3. Fetal and neonatal infections
   Rheumatic diseases
   Complex care of children at special environmental risk - social pediatrics

4. Emergency situations in neonatology
   Hemolytic-uremic syndrome
   Child abuse and neglect

5. Neonatal asphyxia (early and late forms)
   Renal tubular disorders
   Inborn errors of lipid metabolism

6. Jaundice in newborns
   Lymphadenopathy (differential diagnosis)
   Milestones of speech, motor and social development

7. Hemolytic disease of the newborn
   Thyroid diseases
   Feeding after the first year of life

8. Hemorrhagic disease of the newborn
   Diseases of bones and joints
   Solid tumors in infancy and childhood

9. Chromosomal abnormalities and prenatal genetic diagnosis
   Growth disorders
   Poisons, intoxications and burns

10. Food allergy
    Intracranial hypertension
    Screening in pediatrics (prenatal, neonatal, preschool, school age)

11. Acute feeding disturbances in toddlers (diarrhea and its treatment)
    Unconsciousness (differential diagnosis)
    Rational antibiotic treatment in infancy and childhood
12. Monogenic diseases with autosomal recessive inheritance  
Disorders of calcium and phosphate metabolism (rickets, tetany)  
Glucocorticoid treatment and its complications  

13. Adrenal gland disorders, congenital adrenal hyperplasia  
Enuresis, incontinence, encopresis  
Oxygen therapy – principles, indications and complications  

14. Congenital heart diseases with left-to-right shunt  
Hypertension in children  
Abdominal pain (differential diagnosis)  

15. Cyanotic heart defects  
Leukemia in children  
Infusions – types and indications  

16. Inflammatory heart diseases  
Coagulation disorders (hemophilia, disseminated intravascular coagulopathy)  
Pediatric and neurological examination of newborns  

17. Congenital heart diseases without shunt  
Malignant lymphoma (Hodgkin’s disease, non-Hodgkin’s lymphoma)  
Punctures – types and indications  

18. Congenital disorders of the respiratory tract  
Differential diagnosis of gastrointestinal bleeding (melena and hematemesis)  
Exantemous infactions in children  

19. Acute dyspnoe  
Disorders of the biliary system and pancreas  
Fever – causes and principles of its treatment  

20. Bronchial asthma, obstructive bronchitis  
Disorders of sexual development  
Disorders of white blood cells (leucopenia, leucocytosis)  

21. Acute and chronic respiratory failure  
Lysosomal diseases  
Vaccination  

22. Disorders of the immune system  
Kawasaki disease  
Muscle diseases in children
23. Splenomegaly (differential diagnosis)
   Obesity
   Behavioral disorders

24. Bronchopneumonia and atypical pneumonia
   Acute appendicitis and intussusception
   Skin diseases in infancy and childhood

25. Congenital anomalies of the kidney and urinary tract
   Sinobronchial syndrome, acute otitis, adenoid vegetations
   Vomiting (differential diagnosis)

26. Acute and chronic renal failure
   Cough and its treatment
   Role of vitamins in nutrition of children

27. Anemia (classification, diagnosis, treatment)
   Common ophthalmologic problems in children
   Evaluation of kidney function in infants and children

28. Platelet disorders
   Nephrotic syndrome
   Tuberculosis in children

29. Hematuria and nephritic syndrome
   Atelectasis, emphysema, pneumothorax
   Changes in blood parameters during developmental

30. Urinary tract infections
   Heart murmurs (functional and organic), age-related pediatric ECG findings
   Blood transfusion and its complications

31. Hepatomegaly (differential diagnosis)
   Cyanosis (differential diagnosis)
   Headache

32. Cardiac failure
   Bone fractures in children
   Cerebral palsy in children

33. Polyuria and polydipsia
   Disorders of cardiac rythm
   Breast feeding and its advantages

34. Diabetes mellitus type 1 and type 2 in children
   Acute diseases of the upper airway
   Formula feeding of infants

35. Hepatitis and hepatic failure
   Tonsillitis and its complications
Pubertal development – physiological, precocious and delayed

36. Disorders of the acid-base balance
   Infectious mononucleosis
   Birth injuries

37. Cystic fibrosis
   Congenital defects of carbohydrate metabolism
   Responsibilities of the primary care pediatricians – preventive, curative and dispensary care

38. Malabsorption syndrome
   Hypoglycaemic conditions
   Atopic dermatitis

39. Congenital anomalies of the gastrointestinal tract
   Disorders of the parathyroid gland
   Congenital defects of amino acid metabolism

40. Differential diagnosis of jaundice
   Septic and anaphylactic shock – diagnosis, clinical approach
   Methemoglobinemia

41. Disorders of water and electrolyte balance
   Vomiting in newborns
   Stridor (differential diagnosis)

42. Failure to thrive and anorexia
   Inflammatory bowel diseases
   Syphilis and AIDS in children

43. Sepsis
   Interstitial lung diseases
   Parasitic disorders

44. Oedema (etiology, differential diagnosis)
   Meningitis and meningeal syndrome, encephalitis
   Foreign body in airways