

## 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 rhythm  
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  
Methemoglobinaemia
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