**Questions for State Examination in Paediatrics**

**Department of Paediatrics, Faculty of Medicine in Pilsen, Charles University in Prague**

Questions groups:

O General paediatrics, differential diagnosis

S Special paediatrics, particular childhood diseases

N Neonatology

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| Paediatric age groups and their specifics | O |
| Growth of children | O |
| Psychomotor development in children | O |
| Prevention in childhood | O |
| Symptomatic therapy in paediatrics | O |
| Requirements of energy, fluids, macro- and micronutrients in childhood | O |
| Vitamins – definition, physiological functions and properties | O |
| Hypovitaminosis D, rachitis, vitamin D resistant rachitis | S |
| Obesity | O |
| Breast-feeding and its benefits for newborns and infants | N |
| Formula feeding in newborns and infants | N |
| The Baby Friendly Hospital Initiative principles | N |
| Basic neonatological terms: Birth and abortion, classification of newly born children, perinatal, neonatal and infant mortality and morbidity | N |
| Children with low birth weight and their pathophysiological problems | N |
| Initial examination of a newborn, routine delivery room initial care, neonatal screening | N |
| Neonatal jaundice, bilirubin metabolism, hyperbilirubinemia classification | N |
| Perinatal asphyxia, resuscitation of newly born children | N |
| Apnoea of the newborn, oxygenotherapy in newborns, retinopathy of the newborn | N |
| Respiratory disturbances in neonates, neonatal respiratory distress syndrome | N |
| Hyaline membrane syndrome in neonates | N |
| Persistent pulmonary hypertension of the newborn | N |
| Fetal and neonatal infections | N |
| Congenital fetal infections | N |
| Perinatal infections | N |
| Haemolytic disease of the newborn | N |
| Injury during delivery | N |
| Anaemia in the newborn – pathophysiology and classification | N |
| Anaemia from blood loss in neonates | N |
| Bleeding disorders in the newborn | N |
| Main symptoms and signs of digestive tract disorders | O |
| Recurrent abdominal pain in children | O |
| Developmental anomalies and malformations of digestive tract and abdominal wall | O |
| Gastroesophageal reflux and gastroesophageal reflux disease | S |
| Hypertrophic pyloric stenosis | S |
| Gastroenteritis of the infant and toddler | O |
| Treatment of infant diarrhoea | S |
| Intestinal neuronal dysplasia | S |
| Constipation in children | O |
| Acute abdominal disorders in newborns and infants | O |
| Cow´s milk intolerance | S |
| Celiac disease | S |
| Chronic nutritional disorders | O |
| Inflammatory bowel diseases | S |
| Chronic hepatitis, cirrhosis, portal hypertension | S |
| Conjugated hyperbilirubinemia | O |
| Upper respiratory tract diseases | O |
| Middle-ear inflammations | S |
| Tonsilitis, angina, adenoid hypertrophy | S |
| Laryngitis and acute epiglotitis | S |
| Foreign bodies of the airway | S |
| Lower respiratory tract diseases | O |
| Acute bronchitis, wheezing bronchitis, recurrent wheezing | S |
| Classification of pneumonia | S |
| Bacterial pneumonia and its complications | S |
| Atypical pneumonia | S |
| Pleural diseases | O |
| Bronchial asthma – etiology, pathophysiology, clinical picture, diagnostics | S |
| Bronchial asthma – long-term treatment and treatment of acute exacerbations | S |
| Bronchiectases, immotile cilia syndrome, Kartagener syndrome | S |
| Interstitial lung processes | O |
| Cystic fibrosis | S |
| Tuberculosis | S |
| Critical heart defects | O |
| Transposition of great vessels | S |
| Hypoplastic left heart syndrome | S |
| Pulmonary and aortic stenosis | S |
| Patent ductus arteriosus | S |
| Coarctation of the aorta | S |
| Atrial septal defect | S |
| Ventricular septal defect | S |
| Tetralogy of Fallot and associated defects | S |
| Rheumatic fever | S |
| Myocarditis, cardiomyopathy | S |
| Infective endocarditis | S |
| Pericarditis | S |
| Disturbances of rate and rhythm of the heart | O |
| Systemic hypertension | O |
| Congenital anomalies of the urinary tract | O |
| Acute renal failure and chronic kidney diseases | O |
| Glomerulonephritis | S |
| Haematuria – differential diagnosis | O |
| Proteinuria – differential diagnosis | O |
| Nephrotic syndrome | S |
| Haemolytic-uremic syndrome | S |
| Renal tubular and interstitial disorders  | S |
| Urinary tract infections | S |
| Enuresis | O |
| Acute scrotal swelling and pain | O |
| Growth disorders | O |
| Disorders of pubertal development | O |
| Hyperthyroidism | O |
| Hypothyroidism | O |
| Goitre (struma) | O |
| Disorders of adrenal gland cortex | O |
| Cryptorchidism | S |
| Diabetes mellitus – etiology, pathophysiology, clinical picture | S |
| Diabetes mellitus – treatment | S |
| Diabetes insipidus | S |
| Classification of anaemias | O |
| Iron-deficiency anaemia | S |
| Aplastic anaemia | S |
| Haemolytic anaemia | O |
| Methemoglobinaemia | S |
| Leukocytosis and leukopenia | O |
| Idiopathic (autoimmune) thrombocytopenic purpura | S |
| Congenital bleeding disorders | O |
| Acquired bleeding disorders | O |
| Thrombotic disorders | O |
| Vasculitis, Kawasaki disease, Henoch-Schönlein purpura | S |
| Leukemia | S |
| Lymphoma | S |
| Wilms tumour | S |
| Central nervous system tumours | S |
| Neuroblastoma | S |
| Haemangiomas, bone tumours and soft tissue tumours | S |
| Galactosaemia | S |
| Defects in fructose intolerance | S |
| Glycogenoses | S |
| Disorders of lipid metabolism | S |
| Urea cycle defects | S |
| Hyperphenylalaninaemia and phenylketonuria | S |
| Tyrosinaemia | S |
| Abnormalities of autosomal chromosomal number | O |
| Abnormalities of gonosomal chromosomal number | O |
| Congenital defects in metabolism of methionine, homocystine, cystathione, cysteine and cystine | S |
| Juvenile idiopathic arthritis – clinical criteria | S |
| Juvenile idiopathic arthritis – clinical forms and treatment | S |
| Systemic lupus erythematosus | S |
| Connective tissue rheumatoid diseases (except juvenile idiopathic arthritis and systemic lupus) | S |
| Joint infections and other arthropaties | O |
| Atopic dermatitis, seborrheic dermatitis | S |
| Allergic rhinitis | S |
| Urticaria, angioedema, anaphylactic reaction | S |
| Defects of innate (non-antigen specific) immunity | O |
| Defects of specific immunity | O |
| Congenital anomalies of central nervous system | O |
| Disturbances of consciousness | O |
| Seizures | O |
| Febrile seizures | S |
| Non-epileptic paroxysmal disorders | O |
| Headaches | O |
| Neurodevelopmental dysfunctions (ADHD, learning disabilities, etc.), cerebral palsy | O |
| Central nervous system infections | O |
| Trauma and intoxication | O |
| Dyspnoea – differential diagnosis | O |
| Cough – differential diagnosis |  |
| Cardiopulmonary resuscitation | O |
| Shock | O |
| Cardiac failure – etiology, pathophysiology, clinical picture | O |
| Fluid therapy and parenteral rehydration | O |
| Purulent skin infections | O |
| Exantematous infectious diseases | O |