

Pediatrics 5th year semi final topic list

1. Definitions in perinatology, gestational and mortality data, birth related concepts
2. Aspects of newborn care, Apgar scoring system
3. Physiologic growth, anthropometric features, normal development from newborn to school age
4. Nutrition and feeding of a healthy infant and child, nutrition and feeding of premature babies, energy needs. Physiologic growth of a healthy infant
5. Newborn and genetic screening, prevention
6. Chromosomal abnormalities
7. Neonatal respiratory adaptation disorders and lung disease
8. Neonatal infections
9. Neonatal jaundice
10. Complications of prematurity (BPD, ROP, NEC, IVH)
11. Sudden infant death syndrome (SIDS), infant mortality, demographic data
12. Neonatal and infant CPR (cardiopulmonary resuscitation)
13. Meconium ileus, intestinal atresia, pyloric stenosis, diaphragmatic hernia
14. Ileus, intussusception, volvulus, incarcerated hernia, appendicitis.
15. Obstipation. Hirschsprung disease.
16. Testicular and ovarian torsion. Cryptorchism.
17. Coagulopathies
18. Anaemia: signs and symptoms and evaluation
19. Leukaemia.
20. Prevention of infectious diseases. Vaccination
21. Signs of sepsis. Management of sepsis in the first few hours
22. Herpes virus infections
23. Measles, rubella, scarlet fever
24. Systemic autoimmune disease
25. Allergic disease in infancy and childhood. Definition of atopy
26. Diseases affecting the ear
27. Rhinitis, adenoiditis, tonsillitis, bronchitis.
28. Pneumonia. Age related most common pathogens
29. Cystic fibrosis.
30. Obstructive bronchitis, asthma bronchiale, acute subglottic laryngitis
31. Alarming signs of CNS diseases. Necessary examinations. Lumbar puncture
32. Inflammatory disease of the nervous system
33. Facial nerve palsy
34. Seizures in childhood. Febrile seizure
35. Diabetes mellitus. Treatment of diabetic ketoacidosis
36. Congenital adrenal hyperplasia
37. Disease of the thyroid gland
38. Endocrine disorders of calcium and phosphate metabolism. Rickets.
39. Growth disorders (short stature, tall stature)
40. Disorders of pubertal growth and sexual maturation
41. Henoch-Schönlein purpura
42. Kawasaki syndrome, MISC.
43. Urinary tract infection. (localization, course of the disease, treatment, complications)
44. Congenital disorders of the kidney and urinary tract

45. Glomerular kidney disease
46. Nephrosis syndrome
47. Cyanotic congenital heart disease
48. Acyanotic congenital heart disease
49. Malabsorption. Celiac disease
50. Cholestatic liver disease in childhood
51. Hepatitis in childhood
52. Most common infectious enteritises
53. Inflammatory bowel disease: ulcerative colitis, Crohn's disease
54. Alarming signs of abdominal diseases
55. Enuresis. Polyuria and polydipsia
56. Oedema
57. Acid-base homeostasis, treatment of acid-base balance disorders
58. Fever, management of fever, antipyretics