

091/22

**The West Bengal University of Health Sciences  
M.D. (Paediatrics) May - June, 2022 Examination**

Paper: I

Full Marks: 100  
Time: 3 Hours

*Attempt all questions*

1. Describe the physiology of water balance. Discuss approach to a 5 year old child with polydipsia and polyuria. 5+5
2. Discuss the development of hematopoietic system. How do you evaluate a child with hemolytic anaemia ? 5+5
3. What is chromosomal instability syndrome? Discuss exome sequencing in clinical practice. 5+5
4. Discuss development of ventricular septum. What are the clinical features of a child with VSD with pulmonary hypertension? 5+5
5. Enumerate causes of purpura in children. Discuss management of chronic ITP in children. 5+5
6. Discuss causes and management of steroid resistant Nephrotic syndrome. 5+5
7. Cohort Study – Conduct & Design. 10
8. Discuss Vitamin D metabolism and enumerate management of Renal rickets. 5+5
9. What are the causes of hypertension in children? Discuss management of hypertensive emergency. 5+5
10. Newer laboratory tests in Tuberculosis. 10