

**The West Bengal University of Health Sciences**  
**MBBS 2nd Professional Examination, March 2021**

**Subject : Pathology**  
**Paper : I**

**Full Marks : 40**  
**Time : 2 hours**

*Attempt all questions. The figures in the margin indicate full marks.*

1. A 5 year old boy presented with hepato-splenomegaly, stunted growth, Mongolian face and severe pallor of chronic onset. 2+3+3+2
  - a) What is the provisional diagnosis?
  - b) How will you investigate the case in laboratory to confirm the diagnosis?
  - c) Describe the pathogenesis of anemia in such cases.
  - d) What are the complications of such illness.
  
2. Comment on **any two** of the following: 2 x 5
  - a) Pathogenesis of septic shock.
  - b) Difference between apoptosis and necrosis.
  - c) Importance of cross matching of blood.
  
3. Answer **any two** of the following: 2 x 5
  - a) Role of protein & urine electrophoresis in Multiple Myeloma.
  - b) Causes of thrombocytopenia.
  - c) Trisomy 21.
  
4. Write short notes on **any two** of the following: 2 x 5
  - a) Granuloma.
  - b) Peripheral blood picture of CLL.
  - c) Tumour markers.
  - d) Type II hypersensitivity reaction.