

**The West Bengal University of Health Sciences**  
**MBBS 2<sup>nd</sup> Professional Examination, 2014**

Subject : Pathology

Full Marks : 40

Paper : I

Time : 2 hours

**Use Separate answer script for each group**

*Attempt all questions. The figures in the margin indicate distribution of marks in each question.*

**Group – A**

1. A 4 years old female child presented with severe pallor and splenomegaly with history of multiple blood transfusion. Biochemical investigation reveal unconjugated hyperbilirubinemia.
- a) What is your provisional diagnosis?
  - b) What laboratory examinations are to be performed to establish the diagnosis?
  - c) What is the basic genetic defect of such case?
- 2+5+3

**Group - B**

2. Comment on any two of the following:
- a) Healing by primary intension vs healing by secondary intension
  - b) Teratoma and hamartoma are two different lesions
  - c) Dystrophic vs metastatic calcification
- 5x2

**Group – C**

3. Answer any two of the following :
- a) Pathogenesis of thrombosis
  - b) Diagnostic criteria of blastic phases of chronic myeloid leukemia
  - c) Carcinoma is a multistep process
- 5x2

**Group – D**

4. Write short notes on ( **any two** ):
- a) Klinefelter's syndrome
  - b) Decompression sickness
  - c) Coomb's test
  - d) Radiation injury
- 5 x 2