

**The West Bengal University of Health Sciences**  
**M.B.B.S. 2<sup>nd</sup> Professional Examination, 2015**

**Subject: Microbiology**

**Time: 2hrs**

**Paper: I**

**Full Marks :40**

**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) A 7 yrs/M presented with fever, pallor, gum bleeding and lymphadenopathy. Peripheral blood smear revealed fair number of abnormal lymphocytes 2+6+2
- i) What is your provisional diagnosis?
- ii) How will you diagnosis the case in the laboratory?
- iii) Enumerate four important prognostic factors

**Group - B**

2. Comment on **any two** of the following : 2 x 5
- a) Thrombus differs from clot
- b) Inflammation is beneficial
- c) Significance of peripheral blood smear

**Group - C**

3. Comment on **any two** of the following : 2 x 5
- a) Classification of Diabetes Mellitus
- b) Difference between Coagulative Necrosis & Liquifactive Necrosis
- c) Pathogenesis of anaemia in  $\beta$ -thalassemia.

**Group – D**

4. Write short notes on **any two** of the following : 2 x 5
- a) Transcoelomic spread
- b) Fine Needle Aspiration Cytology
- c) Conjugated Hyperbilirubinemia
- d) Transfusion Reaction