

The West Bengal University of Health Sciences
MBBS 2nd Professional Examination (Old Regulation) September 2022

Subject : Pathology

Paper : I

Full Marks : 40

Time : 2 hours

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

1. A 12 year old female child presented with fever, gum bleeding and pallor. Peripheral blood examination by leishman stain revealed a fair number of large round cells with rounded hyperchromatic nucleus and diagnosis ? 2+4+4
 - a) What is your provisional diagnosis ?
 - b) What will be your plan of investigations to arrive at a diagnosis ?
 - c) Describe the findings of bone marrow examination in this case.

2. Comment on **any two** of the following: 2 x 5
 - a) Reticulocyte count is helpful in differentiating types of anaemia.
 - b) Healing by first intention.
 - c) Pathogenesis of edema are different in different diseases.

3. Answer **any two** of the following: 2 x 5
 - a) How will you differentiate myeloblast from lymphoblast.
 - b) Role of P₅₃ gene in carcinogenesis.
 - c) Diagnosis of suspected case of β - thalassemia.

4. Write short notes on **any two** of the following: 2 x 5
 - a) Microscopic examination of urine.
 - b) Pathogenesis of granuloma.
 - c) Plasma derived chemical mediators of inflammation.
 - d) Klinefelters syndrome.