

# 2019 Scheme

Q.P. Code: 213001

Reg. no.: .....

## **Second Professional MBBS Degree Regular/Supplementary Examinations March 2024 Pathology - Paper I**

**(General Pathology and Hematology including Clinical Pathology)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

### **Long Essays**

**(2x15=30)**

1. A 30-year-old female presented with history of easy fatiguability, weight loss, recurrent fever and gum bleeding. Clinical examination revealed severe pallor with hepatosplenomegaly. Blood routine examination showed Hb 8gm%, total count-75000/mm<sup>3</sup>, platelet count 40000/mm<sup>3</sup>
  - a) What is your provisional diagnosis
  - b) Mention the classification systems of the disease and enlist the types
  - c) Describe the peripheral smear and bone marrow findings of the disease (2+5+8)
2. Write the Cellular events of acute inflammation

### **Short essays**

**(5x8=40)**

3. Factors affecting wound healing
4. Klienfilter syndrome
5. Primary tuberculosis – morphology and pathogenesis
6. Staining characteristics of amyloid
7. Define Metastasis, Enumerate the routes of metastasis and explain the mechanisms

### **Short answers**

**(5x4=20)**

8. ESR
9. Exfoliative cytology
10. Apoptosis
11. Types of embolism
12. Dysplasia

### **Objective type questions**

**(10x1=10)**

13. RBC indices
14. Normal specific gravity of urine
15. Two indications of bone marrow aspiration
16. Name two parasites seen in peripheral smear
17. Methods of PCV estimation
18. Confirmatory test for hereditary spherocytosis
19. Two causes for thrombocytopenia
20. Name two opportunistic infections seen in HIV
21. Type I hypersensitivity reaction mediated by ----- antibody
22. Two diagnostic methods in molecular genetics

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