

**Q.P. Code: 204001****Reg. No.:****Second Professional MBBS Degree Supplementary Examinations
July 2019****Hematology and Systemic Pathology - Paper II****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

Essay: (8)

1. What are the manifestations of nephritic syndrome. Discuss the light microscopic findings in post streptococcal glomerulonephritis. Add a note on the findings on immunofluorescence (2+5+1)

Short essay: (6)

2. A 60 year old male patient was brought to the hospital with history of weakness and lethargy since 6 months. On examination he had mild pallor and massive splenomegaly extending up to the umbilicus. He had no palpable lymph nodes. Lab reports showed a total WBC count of 1.5 lakh cells/ mm³.
 - What is your diagnosis
 - Discuss the lab diagnosis of this condition
 - Name the molecular test that you would do to confirm your diagnosis

(1+4+1)**Short notes: (4x4=16)**

3. Glomerular lesions in diabetic nephropathy
4. Microscopic features to distinguish Crohn disease from ulcerative colitis
5. Lab diagnosis of Hemophilia A
6. Pathogenesis of acute pancreatitis

Answer briefly: (4x2=8)

7. Factors influencing H pylori virulence
8. Burkitt lymphoma
9. Morphology of atherosclerotic plaque
10. Osteoclastoma

Answer in single sentence: (4x½=2)

11. Agranulocytosis
12. Direct coombs test
13. Two prognostic factors in breast carcinoma
14. Mallory body
