

**Q.P. Code: 203001****Reg. no.: .....****Second Professional MBBS Degree Examinations, March 2014****Clinical Pathology and General Pathology - Paper I****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay: (8)**

1. Define thrombosis. Describe the pathogenesis and pathology of arterial and venous thrombosis (2+ 3+ 3=8)

**Short essay: (6)**

2. A 30 years old man presented with tiredness and numbness of feet. Investigations showed Hb 6 g/dl TC 3500/c.mm. MCV 104fl . Answer the following:
  - What is your diagnosis
  - Describe the peripheral blood picture
  - What are the causes of this condition (1 + 3 + 2=6)

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

3. Apoptosis
4. Urinary casts
5. Oncogenes
6. Ghon complex

**Answer briefly: (4x2=8)**

7. Endogenous pigments
8. Characteristics of normal seminal fluid
9. Vascular changes in inflammation
10. Opportunistic infections

**Answer in single sentence: (4x½=2)**

11. Define hyperplasia
12. List two salient CSF findings in TB meningitis
13. Name two causes of proteinuria
14. Define dystrophic calcification with an example

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