



**Q.P. Code: 204001**

**Reg. no.: .....**

**Second Professional MBBS Degree Examinations, February 2015**

**Hematology and Systemic Pathology - Paper II**

**Time: 2 Hours**

**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay: (8)**

1. Classify the tumors of the uterus. Discuss the pathology of leiomyoma. Add a note on secondary changes in leiomyoma. (2+3+3=8)

**Short essay: (6)**

2. A 50 years old male presented with weakness, pallor and massive splenomegaly. Blood examination revealed marked increase in the total count. Answer the following:
  - What is the probable diagnosis.
  - What are the peripheral smear findings.
  - What is the genetic abnormality.
  - What are the different stages of disease progression. (1+2+1+2=6)

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

3. Medullary carcinoma of the thyroid.
4. Osteosarcoma
5. Emphysema
6. Meningioma

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

7. Gross and microscopy of ulcerative colitis.
8. Nephroblastoma
9. Dermoid cyst of ovary
10. Aschoff's body

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

11. Principle of sickling test
12. Leukoplakia
13. Mott cell
14. Barrett's esophagus.

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