

**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:**

**(4x1/2=2)**

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