

Q.P. Code: 204001**Reg. no.:**

Second Professional MBBS Degree Examinations, February 2016

Hematology and Systemic Pathology - Paper II**Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

Essay: (8)

1. Classify breast tumors. Mention the risk factors and pathogenesis of breast cancer. Describe the gross and microscopic features of infiltrating duct carcinoma. (3+3+2=8)

Short essay: (6)

2. A young boy aged 3 years was admitted for complaints of yellowish discoloration of eyes. He has past history of repeated blood transfusions. On examination severe pallor and splenomegaly present. X ray showed crew cut appearance. Peripheral smear showed microcytic hypochromic RBCs. Answer the following :
 - What is the most probable diagnosis.
 - Describe the various lab investigations to establish the diagnosis.
 - What is the pathogenesis of the disease(1+3+2=6)

Short notes: (4x4=16)

3. Lab investigations for diagnosis of acute leukemia
4. Pathology of grave's disease.
5. Vegetations in bacterial endocarditis
6. Etiopathogenesis of cirrhosis

Answer briefly: (4x2=8)

7. Clinico-pathological features of leiomyoma
8. Name four conditions associated with development of osteosarcoma
9. Gall stones – types and complications
10. Malignant melanoma

Answer in single sentence: (4x1½=2)

11. Myelodysplastic syndrome
12. Leukoplakia
13. Osteoporosis
14. Aschoff nodule
