

Q.P. Code: 203001

Reg. No.: .....

**Second Professional MBBS Degree Supplementary Examinations  
July 2019****Clinical Pathology and General Pathology - Paper I****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay: (8)**

1. Define metastasis. Describe the pathways of spread of tumors with examples. Explain mechanism of metastasis.

**Short essay: (6)**

2. A 50-year old male suffered fracture of left femur in road traffic accident and was treated. 10 days later, he suddenly collapsed and died. Answer the following questions.

- What is the diagnosis.
- Discuss the etiopathogenesis of the same.
- What are the postmortem and morphological findings. (1+3+2)

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

3. Role of free radicals in cell injury
4. Immunological basis of transplant rejection
5. Cellular events in acute inflammation
6. Hematocrit

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

7. Dysplasia
8. Turner's syndrome
9. Cysticercosis
10. Lesions in vitamin A deficiency

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

11. Causes of heavy proteinuria
12. Indications for Direct Coomb's test
13. Nutmeg liver
14. Two radiation induced disorders

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