

Q.P. Code: 203001

Reg. no.: .....

**Second Professional MBBS Degree Examinations, February 2017****Clinical Pathology and General Pathology - Paper I****Time: 2 Hours****Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

**Essay: (8)**

1. Enumerate three major components of acute inflammation. Discuss in detail vascular events in acute inflammation. Add a note on endothelial and leucocyte adhesion molecules. (2+4+2=8)

**Short essay: (6)**

2. 50 years old male presented with chest pain and palpitation. On admission he was severely dyspneic. On the 2<sup>nd</sup> day of admission he developed hemiplegia. Answer the following:
  - What is your diagnosis
  - Explain the pathogenesis of his dyspnea.
  - What is the likely cause of his hemiplegia. (1+3+2)

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

3. Free radicals
4. Erythrocyte sedimentation rate
5. Morphology of infarction
6. Mediators of immediate hypersensitivity.

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

7. Types of blood grouping
8. Pathways of cancer spread
9. Viral hemorrhagic fever
10. Blood and bone marrow changes in lead poisoning.

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

11. Enumerate two anticoagulants
12. Two basic forms of extra cellular matrix
13. Autophagy
14. Define dysplasia

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