

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 2nd 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:

(4x1/2=2)

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