

**Q.P. Code: 203001**

**Reg. No.: .....**

**Second Professional MBBS Degree Supplementary Examinations  
December 2021  
Clinical Pathology and General Pathology - Paper I**

**Time: 2 Hours**

**Total Marks: 40**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay: (8)**

1. Define shock. Describe the various types of shock with specific reference to the etiology. Discuss the pathogenesis of any one type of shock. (1+4+3)

**Short essay: (6)**

2. A 25 years old woman presented with fever, joint pains, chest pain and butterfly rash over the face. This rash exhibits photosensitivity. Answer the following:
  - What is your diagnosis and mention the reason
  - What is the etiopathogenesis of this condition
  - Describe the pathology of the kidney in this disease
  - List four investigations to be done (1+2+1+2)

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

3. Tumor markers
4. Differences between necrosis and apoptosis
5. Vasoactive amines
6. Microscopic examination of urine

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

7. Reactivation tuberculosis
8. Factors influencing wound healing
9. Rickets
10. Down's syndrome

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

11. What are heart failure cells
12. Mention two endogenous pigments
13. Stem cell
14. Mention two tumor suppressor genes

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