

**QP Code: 101120**

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

**PG Degree Supplementary Examinations in Family Medicine (MD)  
October 2019**

**Paper I – Basic Sciences as Applied to Family Medicine**

**Time: 3 hrs**

**Max marks:100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

**Essay: (20)**

1. Naveen, a 30-year-old college lecturer has come to you for his regular medications. He was diagnosed to have moderate persistent asthma a year ago.
  - Describe the etio-pathogenesis of asthma
  - Explain how the various medications work in the control of the disease.
  - Describe the causes for acute exacerbation of bronchial asthma.
  - Public health aspects of asthma prevention. (7+5+4+4)

**Short Essays: (8x10=80)**

2. A 35-year-old man presents with sudden onset deviation of the angle of mouth to left and inability to close the right eye-lids.
  - What is the nerve involved and describe its anatomy with respect to this condition
  - What is the etio-pathogenesis of this condition
3. A 24-year-old male comes with complains of painful bleeding per rectum as streaks of blood while passing hard stools since the last 3 days. What is the most probable diagnosis and describe the pathogenesis of this condition. Briefly list the main aspects of management of this problem.
4. Discuss the etiopathogenesis of carpal-tunnel syndrome; briefly discuss its management.
5. With reference to the anatomy of the shoulder, describe the pathology of 'frozen-shoulder'.
6. How do local anaesthetics work. Outline the indications and side effects of lignocaine.
7. Describe the mechanisms of acidosis and its correction in a patient with diabetic-keto-acidosis.
8. A 48-year-old man presents to the hospital with unstable angina. Describe the pathogenesis of this condition.
9. Describe the clinical anatomy, clinical features and management of plantar fasciitis.

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