

QP Code: 101107

Reg. No.:.....

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

Paper I – Basic Sciences as Applied to General Medicine

Time: 3 hrs

Max marks:100

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

Essay: (20)

1. A 24 years old motor mechanic presents to emergency OPD in an unconscious state. He is afebrile with a pulse rate of 120/min, BP of 110/80 mm Hg, no signs of meningeal irritation or focal neurological deficit. Arterial blood gas analysis revealed pH of 7.03, HCO₃ 10mEq/l, PaO₂ 90 mm Hg, Pa CO₂ 38 mmHg. His biochemistry revealed Serum Sodium 134 mEq/l, chloride 100mEq/L and serum creatinine of 1.0 mg/dl. What is the likely diagnosis and causes for this clinical picture and laboratory abnormalities. Briefly describe the role of kidneys in acid handling.

Short essays: (8x10=80)

2. Cross sectional studies
3. Ethical issues in solid organ transplantation
4. Pathology of micro-angiopathic haemolytic anaemia
5. Renal lesions in infective endocarditis
6. Diagnosis of leptospirosis
7. Role of cerebellum in maintenance of balance
8. Tests for malabsorption
9. Dermatomyositis: pathology and etiology
