

Aswan University
Faculty of Medicine
Dep. of Medical Physiology
Sunday, 22/5/2022

MS. "Urology"
Final Physiology Exam
Time allowed: 60 min
Total Marks: 33.5 Marks

Answer the following questions:

- 1- Regarding the renal control of acid-base balance which is the most powerful regulating mechanism, write on:
 - a- Hydrogen secretion and bicarbonate reabsorption from different parts of the renal tubule?. (06 Marks)
 - b- Definition and causes of metabolic acidosis?. (7.5 Marks)
 - 2- Describe the mechanism by which the kidney causes urine concentration?. (10 Marks)
 - 3- Give a short account on long-term mechanisms for regulation of arterial blood pressure. (10 Marks)
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Good Luck. Prof. Mahmoud Raafat & Exam. committee