Sylhet Women’s Medical College

**Department of Biochemistry**

Re-supplementary Card Completion examination on

**“Fluid, electrolytes& acid-base balance”**

SWMC-8, SAQ

Full Marks 50 Time: 1.30 min, Date: 08.04.2014

*(*Answer all questions. Each questions carry equal marks)

1. State the body fluid compartments. Enumerate the volume disorders in human body with example. (2+3)
2. State the principle & method of measurement of body fluid compartments. Name the indicators used in plasma & ECF volume measurements (3+2)
3. Make a water intake output chart of an adult. What is water turnover & water intoxication? (2+3)
4. Define and classify diuresis. Mention the differences between water diuresis & osmotic diuresis. (1+2+2)
5. Enumerate the functions of kidneys. How alkaline glomerular filtrate is transformed

into acidic urine. (2+3)

1. Define hyponatremia & hypokalemia. Mention their causes & consequences. (2+3)

1. What do you mean by acid base balance? Classify pH disorders with causes. Mention classic biochemical parameters used to detect ABDs . (1+2+2)

1. Define metabolic & respiratory acidosis. Give their causes and.compensation . (2+3)

9. Write short notes on: (1) Anion gap, (2) Free water clearance. (2.5+2.5)

10. Give the role of aldosterone and ADH in maintenance of water balance. (2.5+2.5)