**Department of Biochemistry**

Sylhet Women’s Medical College

Supplementary Card Completion examination on

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

SWMC-10, SAQ

Full Marks: 40 Time: 1.20 min, Date: 17. 10.2015

*(Answer any eight (08) questions. Each questions carry equal marks)*

1. What are the body fluid compartments? Enumerate the volume disorders in human body with example. 2+3

1. Write the intake and output chart of water in case of an adult individual in steady state condition. What is water turn over? 3+2

1. How acid base balance is maintained in normal human body? Mention the processes of acidification of Urine. 2+3
2. How body water balance is maintained ? What is water intoxication & water turnover ? 3+2
3. Write the electrolyte concentration in plasma. Name the indicators use in ECF volume measurement and plasma volume measurement. 2+3
4. Define diuresis. Give the differences between water diuresis & osmotic diuresis. What is Renal clearance ? 1+3+1
5. Define & classify acid base disorder. What are the causes of respiratory acidosis and how it can be compensated. 2+3
6. Define hyponatraemia and hyperkalemia .Mentiom their causes & clinical presentation. 2+3
7. Write Short Notes On: a)Anion gap. b) Plasma clearance. 2.5+2.5