**Department of Biochemistry**

**Sylhet Women’s Medical College**

**Special Assessment Examination, SWMC-8**

**Time** :1 hour 30 mins Full marks-50 Date-15.06.14

(Answer any ten (10) questions from each group, All question carry equal marks)

1. Define buffering capacity. What are the factors affecting buffering capacity? What is standard buffer base.
2. Define and classify Isomers. Mention the importance of isotope.
3. Mention the factors affecting enzyme activity? What is km value?
4. Define and classify carbohydrates. Mention the biochemical importance of pentoses and hexoses.
5. Classify lipids with example. How Triacylglycerol is digested and absorbed in GIT?
6. Mention basic mechanism of urine formation. How kidney maintain acid base balance?
7. What are the components of DRIs ? What is AMDR?
8. Stat the mechanism of action of steroid hormone. Write the function of Cortisol.
9. Enumerate the fates of pyruvats ? Ten molecules of ATP are formed per term of the TCA cycle – explain.
10. Define and classify porphyria. How heam is synthesized?
11. What are the basic steps of PCR? Write the importance of recombinant DNA Tecnology?
12. Define Q.C. What are the components of Q.C?

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