

3rd Year Second Semester mid test examination 2, 2013
Department of Biochemistry and Molecular Biology
Course No: BMS-330, Course title: Clinical Biochemistry
Total Marks: 10, Time: 1 hours

1. Give the name and use of some preservatives used for biochemical assay of blood and urine. 1
2. Write down the name and use of some commonly used anticoagulants. 1
3. Define the following terms- 2
 - (ア) Aneuploidy
 - (イ) Diabetes insipidus
 - (ウ) Ketone bodies
 - (エ) Chromosomal mosaicism
4. What kinds of gene mutation are possible? 1
5. What is the source of creatinine? Define the creatinine clearance test? 1
6. Write true or false against the following statement: 0.2X5=1
 - A) Changes in the number of genes severely affect health and development.
 - B) The volume of amniotic fluid usually ranges from 500 – 1100 ml.
 - C) Various types of CSF have proven useful in genetic counseling.
 - D) Usually Down syndrome is not inherited.
 - E) Sickle cell anemia and Thalassemia are related with globin protein.
7. Describe the genetic causes and complications of Turner's syndrome and Klinefelter's syndrome. 0.5X2=1
8. Write down the diagnosis process of diabetes mellitus. 1
9. Write short note on the following (any two): 1
 - (ア) Amniotic fluid
 - (イ) Hermaphrodite
 - (ウ) Thalassemia