Sylhet Women’s Medical College

**Department of Biochemistry**

Card Completion examination on Roll: **………**

“Clinical Biochemistry & Clinical endocrinology”

SWMC-9 **MCQ**

Full Marks: 10 Time: 10 min Date: 08.02.2015

Write ‘**T**’ for correct answer &’ **F**’ for incorrect answer

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| --- | --- |
| **1. Major Liver Function Tests are:**  ……a) serum Bilirubin  ……b) serum Transaminases  ……c) prothrombin Time  ……d) glucose Tolerance Test  ……e) blood Urea  **2. Principle tests for renal function:**  ……a)estimation of serum urea  ……b) estimation of serum creatinine  ……c) estimation serum uric acid  ……d) )urea clearance  ……e) creatinine clearance    **3. Electrolyte Profile includes, plasma levels of :**  .......a) sodium  …... b) calcium  ……c) potassium  …… d) chloride  ……e) magnesium  **4. Unconjugated bilirubin**  …….a) is present in blood in healthy person  …….b) is insoluble in water  …….c) causes no damage to CNS  …….d) is insoluble in lipid  …….e) normally 2/3 of total bilirubin  **5. Interpretation of OGTT:**  …….a) fasting blood glucose, <6.0 mmol/L is  normal  …….b) fasting blood glucose, >6.0 mmol/L is  diabetic  …….c) 2 h post glucose load, <7.8 mmol/L is  normal  …….d) 2 h post glucose load, >7.8 mmol/L is  diabetic  …….e) OGTT is not sufficient to diagnose DM | **6. Plasma levels of the Following enzymes are**  **elevated in :**  …….a) acid phosphatase in prostatic cancer  …….b) amylase in acute pancreatitis  …….c) lipase in acute pancreatitis  ……d) CK-3 in acute myocardial infarction  …….e) alkaline phosphatase in obstructive  jaundice  **7. Normal composition of urine**  ……..a) specific gravity 1.010-1.040  ……..b) osmolarity 600-900mosm/L  ……..c) pH 2.5-3.5  ……..d) proteln>30mg/day  ……..e) urea 12-30 mg/day  **8. Preparation require for doing lipid profile are-:**  ……..a) fasting for 10-12 hours  ……..b) after taking fatty diet  ……..c) taking of usual diet  ……..d) voidance of alcohol in previous night  ……..e) all of the above    **9. Desired lipid profile level :**  ……. a) triglyceride <150mg%  …….b) HDL- C.<40mg%  …….c) total cholesterol <200 mg%  …….d) LDL-C<130mg%  …….e) none of above  **10.Following are normal values:**  ……. a) urea, 15-40 mmol/L  …….b) creatinine,60—120 mmol/L  …….c) creatinine Clearance, 70-140 mg/dL  ….….d) sodium,135-145 mmol/L  …….e) potassium 135-145 meq/L |

Sylhet Women’s Medical College

**Department of Biochemistry**

Card Completion examination on

**“Clinical Biochemistry & Clinical endocrinology”**

SWMC-9 SAQ

Full Marks 40 Time: 1.20 min, Date: 08.02.2015

*(Answer 8l questions. Each questions carry equal marks)*

1. What are the biochemical approaches to diagnose Diabetes Mellitus?

Mention the preparation and interpretation of OGTT. 2+1.5+1.5

2. Define and classify Jaundice. How can you differentiate different types of

Jaundice bichemically?

2 + 3

3. Define “Quality Control” (QC) in a Clinical Biochemistry Laboratory. What are

the components of QC? Name the specimens used for biochemical tests. 1+2+2

4. Write down the common renal function tests with interpretation. Why serum creatinine is a better marker than urea? 3+2

5. Define lipid profile. Mention the normal values of lipid profile in SI unit & conventional unit. What is dyslipidemia? 1+3+1

6. Enumerate the thyroid function tests with interpretation. Mention the significance of TFTs.

3+2

7. Short Notes on: (a) Photometry (b) HbA1C 2.5+2.5

8. Mention the common Lab hazards. How you can minimize this is clinical lab?

2.5+2.5

9. Name five clinically important enzymes with their normal values. Mention the enzymes pattern in liver & myocardial diseases. 2+3