

Clinical Biochemistry  
Alternative to Practical Exam

(Time Allowed 15 minutes)

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

Choose One Correct Answer for the Following Questions: (10 X 0.5 = 5 marks)

1- The integrity of glomerulus membrane and renal blood pressure determine the glomerular filtration rate.

- a- True  b- False

2- The best substance used for assessment of glomerular clearance would be:

- a- Substance is filtered completely through glomerulus  
b- Substance is reabsorbed through the nephron tubule  
c- A & B  
d- None of the above

3- Patient with serum creatinine of 3mg/dL, volume of urine excreted 1500ml/day and urinary creatinine of 0.75g/L, the creatinine clearance is:

- a- 15.5 ml/min  
 b- 27.5 ml/min  
c- 39.5 ml/min  
 d- None of the above

$$\frac{U \times V}{P} = \frac{0.75 \times 1500}{10} \times \frac{1000}{24 \times 60} = 3$$

4- ..... reagent is used for determination of albumin:

- a- BCG at acidic pH b- BCG at alkaline pH  
c- 2, 4- dinitrophenyl hydrazine d- Bathophenanthroline

5- All of the following are precipitating agents used in determination of HDL-cholesterol EXCEPT:

- a- Dextran sulphate b- Polyethylene glycol  
 c- Trichloroacetic acid d- Phosphotungstic acid with (MgCl<sub>2</sub>)

6- For determination of serum protein, marked hyperbilirubinemia doesn't cause interference

- a- True  b- False

7- The most common type of diabetes among older adults is:

- a- IDDM  b- NIDDM c- GDM

b  
a  
b  
d  
a  
c  
b  
b  
d  
d  
a

8- To lower your risk of complications from diabetes, you need to manage your:

- a- Blood glucose
- b- Blood pressure
- c- Cholesterol
- d- All of the above

9- Hemoglobin measured by Drabkin's reagent method as:

- a- Methemoglobin
- b- Cyanohemoglobin
- c- Oxyhemoglobin
- d- Cyanomethemoglobin

10- In the indirect ELISA test, the development of color means the patient has the antibody being tested for.

a- True

b- False

*Good Luck for All,,,,*