

**LPUNEST - Ph.D. Clinical Biochemistry
(Sample Questions)**

QUESTION 1

Which one following is essential fatty acid?

- Option A Arachidonic acid
- Option B Oleic acid
- Option C Palmitic acid
- Option D Linolenic acid

QUESTION 2

Biphasic Van den Berg reaction will be seen in the case of

- Option A Hemolytic jaundice
- Option B Hepatic Jaundice
- Option C Obstructive jaundice
- Option D All of these cases

QUESTION 3

Which of the following has highest redox potential in the respiratory chain?

- Option A Oxygen
- Option B Ubiquinone
- Option C NAD
- Option D FAD

QUESTION 4

In an SDS-PAGE

- Option A Proteins are denatured by the SDS
- Option B Proteins have the same charge-to-mass ratio
- Option C Smaller proteins migrate more rapidly through the gel
- Option D All of these

QUESTION 5

A buffer solution is prepared by combining

- Option A A weak acid and its salt
- Option B A weak base and its salt
- Option C Acidic salt and basic salt
- Option D All of these

