OLABISI ONABANJO UNIVERSITY, AGO-IWE FACULTY OF BASIC MEDIC AL SCIENCES DEPARTMENT OF BIOCH EMISTRY HARMATTAN SEMESTER EXAMINATION

BCH 309: Methods in Biochemistry

Instructions: Answer THREE Questions ONLY

Time Allowed SHours | h. 30m November 2014

1. a. Define Electrophoresis V

b. What advantages does capillary electrophoresis provide over liquid chromatography?

c. Write short notes on two forms of electrophoresis,

2. a. List the roles of the following reagents in protein purification

i. Ammonium sulphate A Acceptating as and ignoring precious our or exercise

ii. Blue Dextran

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iv. Sodium Chloride are tonic Stabilines (hab It bein in maintains protein stable

v. Buffer ites was in the name It herps no knowns will be proton

b. Give an account of how you can confirm the presence of protein in a sample - Brusel

c. How will you determine the concentration of the protein in C.

3. Write short note on the following

i. Swinging bucket centrifuge

ii. Fixed angle centrifuge

iii. Buffer solution

OR

Resinionian's charged particles and exchange 1005 Posicon Ponent when component of

Sample are passed

4. i. From the equation below deduced Henderson-Hasselbalch equation

H+ CI HCI

ii. Acetic acid has a pHof 4.8. How many millimeters of 0.1M Sodium acetate are required to prepare 1Litre of 0.1 M buffer solution having pH of 5.8?

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