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**DHANALAKSHMI SRINIVASAN COLLEGE  
OF ARTS & SCIENCE FOR WOMEN  
(AUTONOMOUS)**  
(For Candidates admitted from 2020 - 2021 onwards)



**UG DEGREE EXAMINATIONS APRIL - 2021  
B.Sc - MICROBIOLOGY  
BIOCHEMISTRY-II**

Time: 3 Hrs

Max.Marks: 75

## PART - A

CHOOSE THE CORRECT ANSWER

(10X1=10)

- Chromatography is a physical method that is used to separate and analyse \_\_\_\_\_?  
a) Simple mixture      b) Complex mixture      c) Viscous mixture      d) Metals
- Chromatography which type of stationary phase held in a narrow tube and the mobile phase is forced through it under pressure?  
a) Column chromatography      b) Paper chromatography  
c) Liquid chromatography      d) Gas chromatography
- When the electrophoresis is not used \_\_\_\_\_?  
a) Separation of protein      b) Separation of amino acid  
c) Separation of lipids      d) Separation of nucleic acid
- What cannot be a reason for using electrophoresis?  
a) Comparing two sets of DNA      b) Organizing DNA by shape of back bone  
c) Organizing DNA fragments from largest to smallest      d) Organizing DNA in order we can see
- What is highest redox potential?  
a) NAD      b) FMN      c) FAD      d) O<sub>2</sub>
- Which is the enzyme involved in the pathway of synthesis of acetyl-coA?  
a) Hexokinase      b) Pyruvate decarboxylase      c) Pyruvate dehydrogenase      d) Pyruvate kinase
- The controls of normal breathing process?  
a) Amino acid      b) Cholesterol  
c) Ventral respiratory group      d) Dorsal respiratory group
- What is a serum in the blood?  
a) Liquid portion of blood      b) Plasma minus fibrinogen  
c) Tissue fluid with in lymphatic vessel      d) Formed elements and plasma

