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B.Sc. (H) Zoology
Part - I
Paper - II
Date = 6/7/2020

Electrophoresis

- Charged molecules migrate in Electric field.
- Molecules with negative charge will migrate to positive poles, & positively charged molecules will migrate to negative poles.
- The distance to which a particular molecule travels depends upon its charge & its molecular wt.
- The greater the charge & lesser the molecular wt. (weight), the greater is the distance moved per unit time. Since proteins differ in their overall charge & molecular wt., they can be easily separated in an electric field.
- Acrylamide Gel has been widely used on which electrophoresis is done.
- It solidifies in to Gel upon exposure to U.V. (ultraviolet) light & provides the support on which proteins move.

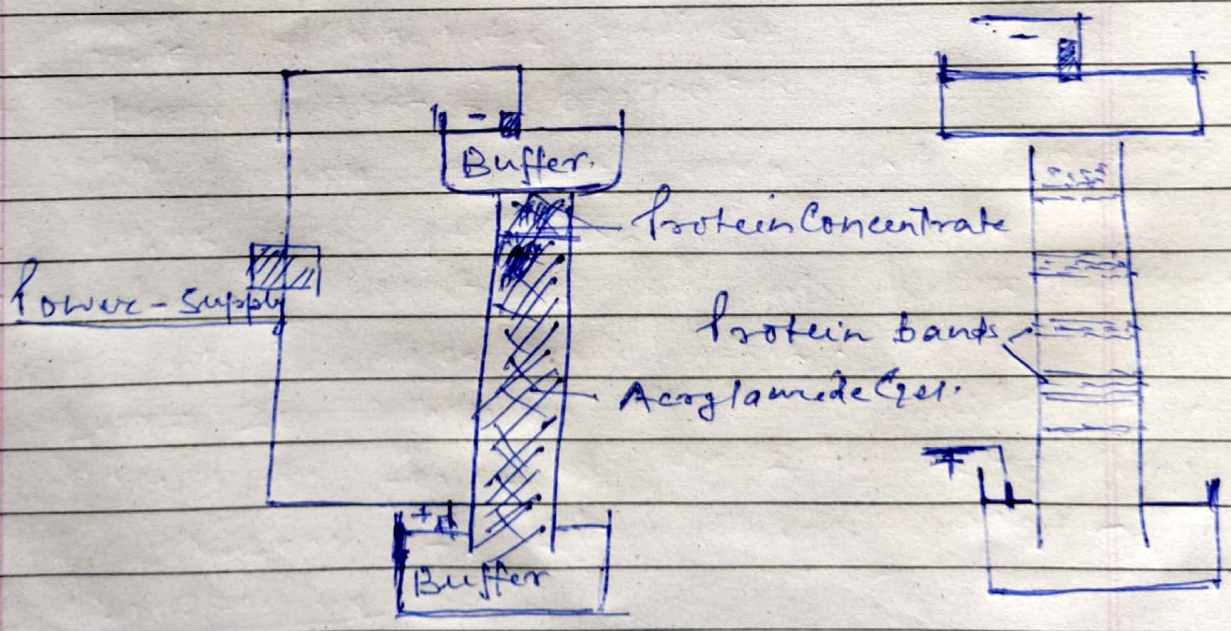


Fig - Shows - Electrophoresis