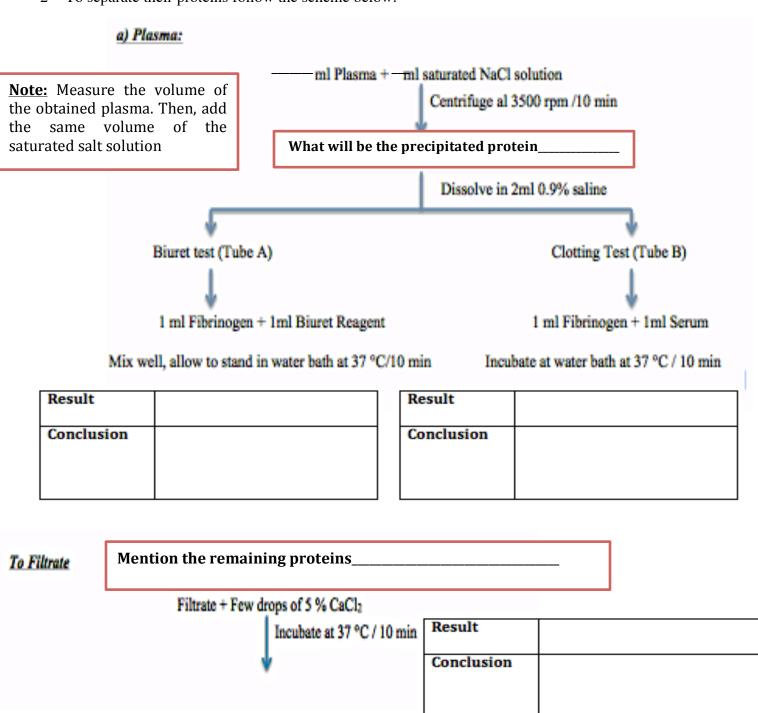
Separation of Plasma and Serum and Their Proteins from Whole Blood



Method:

- 1- Place both purple and red cap tubes in the centrifuge machine and run it at <u>3000 rpm for 10 minutes</u>, to separate plasma and serum, respectively.
- 2- To separate their proteins follow the scheme below:



b)	Se	ru	т	۰

Note: Measure the volume of the obtained serum. Then, add the same volume of the saturated salt solution

			•			
		Centrif	ifuge al 3500 rpm /10 min			
	What will be the precipitated protein					
		Dissolv	olve in 2ml 0.9% saline			
_	↓					
Result			Result			
Conclusion			Conclusion			
,						
To Filtrate	Mention the remaining proteins					
Divide the filtrate into 2 tubes						
_						
Salting out (Tube A)			Heat Coagulation Test (Tube B)			
Add solid ammonium sulphate until albumin is precipitated		is	Add drops of 2M acetic acid			
			Heat the content of the tube at 70 °C/10 min			
Result			Result			
Conclusion			Conclusion			
Add solid ammor precipitated Result		is	Add drops of 2M acetic acid Heat the content of the tube at 70 °C/10 min Result			