ESTIMATION OF GLYCEROL MOLECULE RADIUS
BY THE VISCOMETRIC METHOD

Name: .....

Group: .....

Date: .....

1.Goal of the experiment: .....

.....

2. Results of measurements of liquid flow time via capillary of the viscometer:
   a) time t_0 of flow of water:

	1	2	3	4	5
t_0,s					

mean value of the time of flow $\bar{t}_0$ = ...

b) time t of flow of glycerol solutions:

	concentration of glycerol solution	time of flow			
					mean
1					
2					
3					
4					
5					

3. Glycerol intrinsic viscosity:

$\eta_{int} \pm \Delta\eta_{int}$ = ...

4. Radius of glycerol molecule:

$r \pm \Delta r$ = ...

5. Estimation of the glycerol molecule radius on the basis of physical-chemical data:

density: .....

molecular mass:.....

The estimated value $r_{glycerol}$: .....

Conclusions: .....