Reading:

Lakowicz, Principles of Fluorescence Spectroscopy, Second Edition
Pages 291-303: Chapter 10: Fluorescence Anisotropy
(Sections: 10.1 – 10.4)

Copies of the selected pages are available in the library

Questions:

1) What is the definition of Polarization? What different kinds of Polarization are there? What is the definition of Anisotropy?

2) What is the equation for the fundamental anisotropy of a fluorophore?

3) What anisotropy values are possible for an ensemble measurement?

4) What is the G-factor?

5) What is the magic angle and why is it important? In which spectroscopy methods it is used?