Questions

1. What approximations lead to the parton model?

2. What property of QCD is crucial?

3. What is the verbal, physical description of the parton distribution functions u(x), etc.?

4. What is $F_2(x)$ in terms of parton distribution functions?

5. How do you interpret $F_1(x) \sim 1/x$ as x -> 0 ?

6. Why isn't $\int dx\, u(x) = 1$? What is it?

7. What is the physics of the Callan-Gross relation?