**Zobel 20 (a) through (m):**

**The following fragments are flawed. They are ambiguous, or inelegant, or do not parse, or do not make sense. For each fragment, identify the problems—many of them have multiple shortcomings—and suggest revisions. If you need to make assumptions, state them clearly. (Most of these examples are from papers.)**

1. As search engine systems emerge as the principle information finding tool within commercial enterprises due to the enormous popularity of WWW technology, the lack of options for integrating text and relational data on the Web is becoming crucial.

Due to the huge popularity of WWW technology, search engine systems are emerging as the principal information-finding tool within commercial enterprises, making the lack of options for integrating text and relational data on the Web crucial.

(b) Information retrieval systems appear in the Web with the purpose of managing, retrieving and filtering the information available there.

Information retrieval systems appear in the Web with the purpose of managing, retrieving, and filtering the information available there.

(c) The first approach is not practical. Thus the changes to the architecture of the system, including threads for the dictionary and client response components.

The first approach is not practical. Thus, the architecture of the system was changed to include threads for the dictionary and client response components.

(d) Concerning answer locality, usual tools tolerate lower first guess accuracy by returning multiple responses and allow the user to interact with the system to localize answers.

Concerning answer locality, usual tools allow for lower first guess accuracy by returning multiple responses and enable user interaction with the system to localize answers.