1. Explain the object-oriented paradigm and how does it differ from the structured paradigm of software development?

2. What is meant by a software crisis? Many argue the need for a new programming paradigm, why is this? Explain how the object-oriented paradigm attempts to overcome this software crisis.

3. Explain the terms object and class for OO programming (use examples)

4. Define the following OO related terms:
   (a) Encapsulation
   (b) Data abstraction
   (c) Inheritance
   (d) Multiple Inheritance
   (e) Polymorphism

5. What is software reuse? What is the difference between reuse and porting? What are the factors influencing software re-use?

6. Identify reusable components in software and discuss how OOPs help in managing them.

7. What are the pros and cons of web-based applications compare to stand-alone applications?