SOFTWARE ENGINEERING (A50518)

SET-I

1. Apply spiral model or waterfall model for the development of the railway reservation system?
2. Suppose that you have to build a product to determine the inverse of 3.546784 to four decimal places. Once the product has been implemented and tested, it will be thrown away. Which life cycle model would you use? Give reasons for your answer?
3. How can design reviews improve designs? How can design reviews help to educate operators, users, client, analysts, engineers, coders, and testers? How can design reviews uncover deficiencies in SRS?
4. Explain about Feasibility Study and Plan for ATM system?

SET-II

1. Consider a university registration system. The system is to handle student registration for various courses offered by university as well as for examinations. Identify the risks associated with such a software system?
2. A software “xyz” company is developing IT Services and products for different organizations. Most of their projects, when delivered to the customer didn’t fulfill the customers’ expectations. During the testing phase they found lot of defects which require more cost and resources to fix them. As a result most of their projects fail or they have to modify the project in order to make it according to the customer’s expectations. At the moment they have their own ad-hoc process model for Software Development. Now Company hired you as a project manager. So as a project manager?
3. Assume that you're the manager of a small project. What baselines would you define for the project and how would you control them?
4. Using examples describe how data flow diagram may be used to document a system design. What are the advantages of using this type of design model?