

1. It might cost Rs.5,00,000/- to replace a hardware configuration used to develop a software application. There is a 10% chance of fire to 7%. Calculate the old and new risk exposure along with RRL. Comment on action of installing fire alarms with proper justification.
2. Calculate Value / Cost ratio to an Management Information System for storage, retrieval and various report generation aspects.
3. Identify the stakeholders in an Human Resource department. For each stage of a typical HR work of profile updations and management, list the type of personnel who are likely to be involved.
4. Assume that you are the project manager for a company that builds software for automation of system. You have been contracted to build the software for construction of a robot to pick up and drop an item. Write a statement of goal of the company. Also write scope and objectives that describes the software.
5. What are the major shortcomings of the water fall model and how have those shortcomings been overcome by the agile process ?
6. Suggest appropriate software development models for the following projects:
 - a. Highly complex software for a large embedded system
 - b. Uncertainty high and user requirements are not clear
7. What are the four drivers of Risk ?
8. Draw a simple Gantt chart with suitable example
9. How does step 0 in stepwise planning contribute to actual planning of project ?
10. A risk has 30% chance of happening in a month, and the project is expected to last 6 months. The risk did not materialize in the first three months of the project. Calculate the risk exposure in the 4th month, if the potential damage due to risk is assessed at Rs.10 Lakhs.