

## Practice Problem on CMMI, Gantt Chart and ISO

Answer all the questions.

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### Questions for Gantt Chart

**Consider the following Scenario:**

task list, assumptions, mention holidays, dependency mention, arrow on the chart based on the dependency.

**Ques 1.** We want to develop Inventory Management Software. There will be 2 aspects of the software. The storekeeper will be able to give inputs of all types of items in the store. Items will be categorized as types. For example, Furniture, computer, cars, etc. Under these categories, individual items will be registered. Item categories and Item definitions will be stored in database. Another aspect is that the users can place requisition for these items over software. All types of requisitions will also be stored in the database. Now, to develop an inventory portal you have to do the necessary step. According to this scenario, answer the following questions.

Develop a Gantt chart for the above project and mention the different assumptions or consideration need to be considered (e.g., weekly holidays and government holidays) for making a pragmatic estimation.

### Questions for CMMI and ISO

**Ques 2.** If a project manager wants to achieve the “CMMI Maturity Level IV”, what are the compliance/rubrics/guideline he/she needs to follow during a software project development. Define the concept KPA (key process area) in CMMI perspective.

**Ques 3.** Shortly brief on CMMI Maturity Level 3 – 5. Explain how CMMI can be termed as a software project improvisation process.

**Ques 4.** If a project manager wants to follow ISO 9000, what are the principles he/she needs to follow during a software project development.

**Ques 5.** Shortly brief on CMMI Capability Level 0 – 5.