PROJECT MANAGEMENT ASSIGNMENT

P: DFD (9)

Q: Decision tree (12)

R: Revise tree (3)

T: Data Dictionary (11)

X: Report prototype (8) Y: Revise reports (14)

Z: Database (5)

S: Document (7)

Scenario

An information systems project requires the following activities before it is completed. First, data flow diagrams have to be drawn for the entire application (P), which will take 9 days. Based on those diagrams, decision trees need to be constructed (Q), which takes 12 days. The revision and fine-tuning of the decision trees (R) will take another 3 days. After data flow diagrams are drawn, the data dictionary needs to be organized (T), and that will take 11 days. Independent of all this, the required management reports need to be prototyped (X), and that will take 8 days. Revising and finalizing the reports will take another 14 days (Y). After the data dictionary is organized and reports have been finalized, the database needs to be designed (Z), which will take 5 days. At the very end, the whole project needs to be written up (S), which takes a week.

Draw Gantt and PERT charts (and **show both** in your work submitted) to answer the following questions:

- 1. How long will this project take?
- 2. Which tasks cannot be delayed without delaying the entire project?
- 3. If today is the end of the 20th day into the project and everything has been going smoothly according to plan, which tasks have already been completed?
- 4. If revising the decision trees is going more slowly than you initially thought, how many more days can you afford to delay it without delaying the entire project?
- 5. If revising the decision trees is done in 2 days instead of 3, to which task will you assign the freed up staff (assuming they have the required skills) to expedite the project's overall completion?

For the Gantt chart either use the template shown below (snipping tool), or build something very similar to it from scratch.

Days: () 5	5 10	0 1	5 2	0 2	5 3	0 3	5
P								
Q								
R								
T								
X								
Y								
Z								
S								
1		I						