

Section 1 – Review questions

Note that these questions are given as guides for your review of the class materials (lectures, slides, books, etc.).

1. Define fully the term “Software Engineering.”
2. Why do we say “Software is engineered and not manufactured?” Discuss.
3. What is a project (vs. operation)?
4. Define the term “operation.”
5. What are the characteristics of a project?
6. What are stakeholders?
7. When a project is considered successful?
8. Define the term “Software development project.”
9. What is “Software Development Project Management (SDPM)?
10. A SDPM strategy is an integration of two life cycles. What are they?
11. What does a SDPM strategy produce?
12. In not more than one paragraph (3 to 6 sentences) discuss the following questions: *“Do you operate like a solution out looking for a problem? Wouldn’t you rather let the characteristics of the problem drive your choices for solution approach?”*
13. Are software projects really different from other projects? Discuss.
14. Discuss the following factors vis-à-vis the relationship between complexity and uncertainty domain of SDPM. Note that “Complexity and uncertainty are positively correlated with one another.”
 - a. Requirements
 - b. Flexibility
 - c. Adaptability
 - d. Change
15. Itemize the skills of a good project manager in order of importance.
16. Define software lifecycle
17. Project Objectives should be SMART. Explain by itemizing each letter in the acronym “SMART”
18. What is project agreement?
19. What are the five project management process groups, in order?
20. During which project process group are risk and stakeholder’s ability to influence project outcomes the highest?
21. You are a project manager working on gathering requirements and establishing estimates for the project. Which process group are you in? Explain.
22. Differentiate between work package and work product with respect to activity and task.
23. What is project baseline and when can a project baseline change? Explain.