Reading:
Instructional ICM-SW Electronic Process Guidelines (ICM EPG)
http://greenbay.usc.edu/IICMSw/index.htm

Instruction: Please read ICM EPG carefully

For question 1&2, follow the ICM-Architected Agile process, assume the following roles and answer the questions
  • If your last name starts with A-H, you have 3 roles: Project Manager, Feasibility Analyst and UML Modeler
  • If your last name starts with I-Q, you have 3 roles: Operational Concept Engineer, Prototyper, Shaper, IV&V, Quality Focal Point
  • If your last name starts with R-Z, you have 3 roles: Requirements Engineer, System Architect, Life Cycle Planner

1. (8 points) For each of your roles, list the tasks and their corresponding steps performed in Exploration and Valuation phases.
2. (8 points) For each of your roles, list the work products (artifacts) that your roles are responsible for Exploration and Valuation phases.

For question 3, follow the ICM-Net-Centric Services process, assume the following roles and answer the questions
  • If your last name starts with A-H, you have 3 roles: Operational Concept Engineer, Shaper, IV&V, and Quality Focal Point
  • If your last name starts with I-Q, you have 3 roles: Prototyper, Software Architect, Life Cycle Planner
  • If your last name starts with R-Z, you have 3 roles: Project Manager, Feasibility Analyst and UML Modeler

3. (12 points) For each of your roles, capture the screenshots of diagram of your Activities and Tasks performed in Valuation and Foundations phases.

For example, as a role of System Architect, in Valuation Phase, a System Architect has to perform “Define Architecture” Activity, which has three tasks, Analyze the Proposed System, Specify Architecture Styles, Patterns and Frameworks, and Define Technology-Independent Architecture
4. (12 points) Based on ICM key concepts, provide 3 answers for each sub question by selecting tasks, activities, concepts, examples, guidelines, or activities that exercise/use/deploy the following concepts:

Please note that you can answer this question by capturing screenshots of the page, or typing down the information that would answer the questions:

- a) Evidence/risks based decision point
- b) Concurrent Engineering
- c) Feasibility Rationale as a First Class Citizen
- d) Continuous Improvement
- e) Success-critical stakeholder satisficing
- f) Iterative development cycles