**Software Engineering**

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| **Q1** | **when waterfall model being used?** |
| **Q2** | **Many different software processes but all involve:**  **A.** **programming, Design and implementation,Validation and Evolution.**  **B. Specification , Design and implementation, Verification and Evolution.**  **C. Specification, Design and implementation, Validation and reviewing.**  **D. Specification, Design and implementation, Validation and Evolution.** |
| **Q3** | **There are separate identified phases in the waterfall model:**   1. **Requirements analysis and definition, System and software design, Implementation and risk management, measurement, production, and reviewing.** 2. **Requirements analysis and definition, System and software design, construction, Integration and system testing and Operation and programming.** 3. **Requirements analysis and definition, System and software design, programming, debugging, maintenance.** 4. **Requirements analysis and definition, System and software design, Implementation and unit testing, Integration and system testing and Operation and maintenance.** |
| **Q4** | **George Polya outlines the essence of problem solving, suggests:**   1. **study the problem, Plan a solution, Carry out the plan and program the result for accuracy .** 2. **Understand the problem, design a solution, Carry out the plan and Examine the result for accuracy .** 3. **Understand the problem, Plan a solution, Carry out the plan and Examine the result for accuracy .** 4. **Understand the problem, Plan a solution, Carry out the plan and measurement the result for accuracy .** |
| **Q5** | **Which question falls under Carry Out the Plan?**   1. **Do the solutions conform to the plan?** 2. **Is it possible to test each component part of the solution?** 3. **Have you seen similar problems before?** 4. **Can sub problems be defined?** |

Lecturer

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