|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Programming** | |  |  |  |
| **Practice 1** | **Practice 2** | **Practice 3** | **Practice 4** | **Practice 5** |
| **Program Design**  *Design Programs for a Purpose* | **Algorithm and Program Development**  *Develop and Implement Algorithms and Programs* | **Code Analysis**  *Analyze and Test Algorithms and Programs* | **Computing Innovations**  *Analyze Computing Innovations* | **Responsible Computing**  *Contribute to an Inclusive, Safe, Collaborative, and Ethical Computing Culture* |
| *MCQ, PT* | *MCQ, PT* | *MCQ, PT* | *MCQ, PT* | *Not assessed* |
| 1A. Analyze the situation, context or task  1B. Determine and design an appropriate method or approach to achieve the purpose  1C. Explain how collaboration affects the development of a solutions.  1D. Analyze and evaluate options | 2A. Represent algorithmic processes to be implemented in a program.  2B. Identify data input and sources  2C. Implement an algorithm in a program.  2D. Use abstraction to manage complexity in a program. | 3A. Explain how a code segment or program functions.  3B. Explain how abstraction manages complexity  3C. Determine the result of code segments  3D. Analyze algorithms for correctness. | 4A. Explain how computing systems work  4B. Explain how knowledge can be generated from data.  4C. Describe the impact of a computing innovation.  4D. Describe the impact of gathering data.  4E. Evaluate the use of computing based on legal and ethical factors. | 5A. Collaborate in the development of solutions  5B. Use safe and secure methods when using computers  5C. Acknowledge the intellectual property of others. |