1.I (6 points for completion)

1. Nine is not a prime number.

   A prime number is a number greater than 1 that has no positive divisors other than 1 and itself. Nine’s divisors are 1, 3, and 9. Therefore, 9 is not a prime number.

3. A molecule of water has three atoms.

   The number of atoms in a molecule is indicated by its chemical formula. The chemical formula for water is \( \text{H}_2\text{O} \), which means that a molecule of water has 2 hydrogen atoms and 1 oxygen atom. Thus, a molecule of water has three atoms.

5. The U.S. President lives in Washington, D.C.

   U.S. Presidents live in the White House, which is located in Washington, D.C. Therefore, the U.S. President lives in Washington D.C.

2.II (6 points for completion)

1. EP
3. N
5. N
7. N
9. N
11. EP
13. N
15. EP
17. N
19. N
21. EP

2.III (6 points for completion; 2 points each for correctness)

2. SA
4. N
6. N
8. SA
10. N

2.V (6 points for completion; 3 points each for correctness)

11. SA
12. CA (in this case, making happy can be seen as a standard effect of praising)
13. SA
14. SA (if done verbally; otherwise, N)
15. CA

2.VI (6 points for completion; 2 points each for correctness)

1. Relevance
2. Manner
3. Quantity
4. Manner

2.VII (6 points for completion)

1. CI: I would like you to turn up the heat. EXPL: In saying “It’s getting a little chilly in here” out of the blue, the visitor violates relevance, putting you in a position to figure out why they might have said that; you will recognize it as a polite way to ask the host to do what s/he can to warm the room up.
2. CI: I want to borrow your pen. EXPL: Literally, the person is merely asking the friend if they would mind, which violates relevance (why would what I mind or not be relevant here?) and possibly also manner (more words are used than necessary). In this case, the friend will recognize this as a polite way of asking to borrow their pen.
3. CI: I would like you to buy more soda. EXPL: In saying “We are out of soda” out of the blue, the child violates relevance, putting the parents in the position of figuring out what motivated their child to say that; one typically doesn’t say something like that unless one wants soda and was unable to find it; thus, the child must want the parents to buy more soda.

2.VIII (6 points for completion; 2 points each for correctness)

1. metaphor
2. metaphor
3. metaphor
4. irony
5. metaphor

2.X (6 points for completion; 6 points each for correctness)

1. LA: Question – sentence is in the interrogative mood
   SA: An inquiry
   CA: Expression of hunger and the desire that dinner be ready soon

2. LA: Command – sentence is in the imperative mood
   SA: Suggestion, advice, instruction
   CA: Giving a hint designed to help the person solve the puzzle. There is an implicature that this is the right start