Out of nine recent graduates, a bank will interview exactly five for a managerial position. Three of the graduates, Lynn, Matambo and Ortiz, are from Halstead University, three are from Ionia University, Peavey, Qaffar and Riley, and three are from Jupiter College, Twombley, Ulrich and Valentin. The selection of the interviewees is governed by the following conditions:

At least one recent graduate of each institution is interviewed.

If Peavey is interviewed, Ortiz is interviewed.

If Ulrich is interviewed, Valentin is interviewed.

If Qaffar is interviewed, neither Riley nor Peavey is interviewed.

If at least two Halstead graduates are interviewed, at most one Jupiter graduate is interviewed.

1. Which one of the following could be a complete and accurate list of the interviewees?

A. Riley, Peavey, Ortiz, Ulrich, Valentin
B. Lynn, Peavey, Ulrich, Valentin, Matambo
C. Matambo, Peavey, Riley, Ortiz, Ulrich
D. Lynn, Qaffar, Peavey, Ulrich, Valentin
E. Lynn, Qaffar, Ortiz, Peavey, Matambo

2. If Valentin is not interviewed, which one of the following must be true?

A. Peavey is interviewed.
B. Qaffar is not interviewed.
C. Twombley is interviewed.
D. Matambo is not interviewed.
E. Ortiz is interviewed.

3. If all three recent graduates of Halstead are interviewed, each of the following could be true EXCEPT

A. Qaffar is interviewed.
B. Twombley is interviewed.
C. Peavey is interviewed.
D. Valentin is interviewed.
E. Ulrich is interviewed.

4. Which one of the following must be false?

A. Neither Valentin nor Twombley is interviewed.
B. Neither Qaffar nor Peavey is interviewed.
C. Neither Matambo nor Ortiz is interviewed.
D. Neither Ortiz or Qaffar is interviewed.
E. Neither Peavey nor Qaffar is interviewed.

5. Suppose the condition is added that if Valentin is interviewed, Ortiz is not. If all other conditions hold, which one of the following cannot be true?

A. Qaffar and Valentin are both interviewed.
B. Neither Qaffar nor Peavey are interviewed.
C. Ulrich is interviewed but Riley and Qaffar are not.
D. Peavey is interviewed but Ulrich and Riley are not.
E. Lynn is interviewed but Riley and Twombley are not.

# Game 23 – Job Applicants

1. A
2. C
3. E
4. A
5. C

This is a game of sorting elements with qualities, and it requires paying attention to both the elements themselves as well as the quality of each element.

Question 1 tests the rules, and all four questions break a rule. On Question 2, you can deduce that Ulrich is not interviewed, and thus, Twombley–the only other Jupiter graduate–must be.

On Question 3, If Ulrich is interviewed, Valentin must also be–meaning there is no room in the group for an Ionia graduate. For Question 4, if Valentin is not interviewed, Ulrich cannot be either; thus, if Valentin isn't interviewed, Twombley is. Finally, for Question 5, if Ulrich is interviewed, it means Valentin will be but Ortiz will not be. This combined with the lack of Ionia graduates due to means that this answer choice breaks the first rule.