**Supplemental table 2: Rubric for assessing student question quality**

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| **Points** | **0** | **1** | **2** |
| **Specificity** | *Not specific:*  The question can be interpreted in multiple ways or is conceptually unclear. It is not possible to design a research plan and formulate a definite answer to the question. | *Moderately specific:*  The formulation of the question steers towards a certain interpretation but leaves room for other interpretations.  *or*  The formulation of the question is too non-specific to design a research plan for. | *Highly specific:*  The question is clearly formulated and cannot be interpreted in multiple ways. It is possible to design a research plan and formulate a definite answer to the question. |
| **Relevance** | *Not relevant:*  The conceptual connection between question and problem is not clear. Answering the question would not lead to problem reduction. | *Moderately relevant:*  There is only an indirect conceptual connection between the question and the problem. Answering the question could possibly lead to problem reduction. | *Highly relevant:*  The conceptual connection between question and problem is clear. Answering the question would be expected to lead to problem reduction. |

*Notes*

* Only the best three questions are scored for each question agenda, so that max. 12 points (3 questions \* max 4 points per question) can be earned per question agenda.
* If a question scores 0 point for either specificity or relevance, it is disregarded and points for the other item are not taken into account for the total score of that question agenda. The rationale behind this is that: 1) the specificity of a question does not matter if a question is not relevant to the problem and 2) the relevance of a question cannot be ascertained if the question is not specific enough.
* When a question cannot be categorized with one of the three question agendas, it is disregarded and points for the question are not taken into account for any of the question agenda scores.
* When two student questions are considered to be two different formulations of the same question, only the best scoring question is taken into account and the other is disregarded.