Master thesis opponent’s review

Master thesis: Simulation of Various Modulation Strategies for Induction Motor Drive
Author: Jigar Hemanthai Mehta
Thesis supervisor: Ing. Jan Bauer, Ph.D.
Thesis opponent: doc. Dr. Ing. Jan Kyncl

1. Fulfillment of assignment requirements: 2
2. Systematic solutions of individual tasks: 2
3. Ability to apply knowledge and to use literature: 1
4. Thesis formal and language level: 3
5. Thesis readability and structuring: 2
6. Thesis professional level: 3
7. Conclusions and their formulation: 2
8. Final mark evaluation (A, B, C, D, E, F): D
   verbal: satisfactory

Rating (1 – 5) (1 = best; 5 = worst):

Brief summary evaluation of the thesis (compulsory):
On page 1, the author misspelled the opponent as the head of the department. On page 2, the author mistakenly states that I helped him with the work. In fact, I only helped him as a tutor with a Master's degree in general. The author devoted 24 pages of generally known facts and 15 pages to the results of his own work. The blocks in Simulink are not sufficiently described and the opponent does not have the source codes available. Almost all charts lack the description of axes. The numbers on the axes are practically unreadable without optical aids.

Questions:
1. Provide amplitude and frequency modulation equations.
2. Is the formula “Modulation Signal = Original signal + Carrier Signal” (page 10) correct?

Date: ___________________________ Signature: ___________________________
Notes:

1) The total thesis evaluation needn’t be determined by the partial evaluations average.
2) The total evaluation (item 8) should be from the following scale:

<table>
<thead>
<tr>
<th>Excellent</th>
<th>Very Good</th>
<th>Good</th>
<th>Satisfactory</th>
<th>Sufficient</th>
<th>Insufficient</th>
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<tr>
<td>A</td>
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