Assessment 2 EER diagram development – Marking guide

**Assessment criteria / grading rubric**

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| **CRITERIA** | **A: Excellent**  **(>80%)** | **B: Very good**  **(70–79%)** | **C: Good**  **(60–69%)** | **D: Acceptable**  **(50–59%)** | **N: Unacceptable**  **(<50%)** |
| **Identify entities, attributes and primary keys.**  **(40 marks)** | All entities are identified.  All attributes including the child class attributes (if any) and relationship attributes (if any) are correctly identified.  All the primary keys are identified.  **(32–40 marks)** | All parent-level entities are identified.  The majority of attributes are identified.  The majority of primary keys are identified.  **(28–31 marks)** | At most, two parent-level entities are missing. At most, four primary keys are missing.  **(24–27 marks)** | At most, four parent-level entities are missing.  The majority of the primary keys are missing.  **(20–23 marks)** | The majority of the entities are missing.  Primary keys are not identified.  **(<20 marks)** |
| **Identify relationships, cardinalities and participations.**  **(30 marks)** | All relationships are identified.  All cardinalities (including min and max values) are correct. All participations are correct.  **(24–30 marks)** | The majority of relationships are identified.  All cardinalities of the identified relationships are correct. All participations are correct.  Some of the min and max values are incorrect.  **(21–23 marks)** | At most, four relationships are missing.  The majority of the cardinalities are correct.  The majority of the participations are correct.  The majority of the min and max values are correct.  **(18–20 marks)** | At most, four binary relationships are missing.  The majority of the cardinalities are incorrect or missing.  The majority of the participations are correct.  The majority of the min and max values are incorrect.  **(15–17 marks)** | Most of the relationships are missing.  Most of the cardinalities and participations are missing or incorrect.  **(<15 marks)** |
| **Identify specialisations along with both completeness and disjointedness constraints.**  **(20 marks)** | Specialisations are identified.  Both completeness and disjointedness constraints are correctly identified.  Subset notations are present.  **(16–20 marks)** | Specialisations are identified.  Both completeness and disjointedness constraints are correctly identified.  Subset notations are missing.  **(14–15 marks)** | Specialisations are identified.  Completeness and disjointedness are missing or incorrect.  **(12–13 marks)** | Specialisations are partially identified.  **(10–11 marks)** | Specialisations are missing or incorrect.  **(<10 marks)** |
| **Identify and notate a union.**  **(10 marks)** | Union is correctly identified.  Union notation is correct.  Subset notation is correct.  **(7–10 marks)** | | Union is correctly identified.  Union notation is missing or incorrect.  Subset notation is missing or incorrect.  **(5–6 marks)** | | Union is missing or incorrect.  **(<5 marks)** |