

Grading scheme of Assignment 1a (ER Diagram)

Part 1, for the entities:

- 3 normal entities, 1 weak entity (5 marks for each entity)

$3 \times 5 \text{ marks} + 1 \times 5 \text{ marks} = 20 \text{ marks}$

- 3 primary keys and 1 partial key:

$4 \times 3 \text{ marks} = 12 \text{ marks}$

- 1 multi-valued attribute:

3 marks

- 1 derived attribute

3 marks

Part 1 total 38 marks

Part 2, for the relationships:

- 12 constraints (highlighted by red circles on the figure below)

$12 \times 3 \text{ marks} = 36 \text{ marks}$

- existence of the relationships (7 normal relationships, 1 identifying relationship)

$7 \times 3 \text{ marks} + 1 \times 5 \text{ marks} = 26 \text{ marks}$

Part 2 total 62 marks

Additional marking criteria:

- Set multi-valued attribute to single -2 marks
- do not draw double rectangle for weak entity -2 marks
- Draw identifying relationship as normal relationship -2 marks
- Do not draw dash line for the partial key for weak entity 2 marks
- Make phone number an entity -2 marks
- Entities without any attributes -4 marks

