

I. SYNTAX : using E/R correctly ..... \_ / 4

- A. ENTITIES have appropriate, well specified keys. (Weak entities do not need to contribute to their keys.) -1
- B. REL-SHIPS are appropriately designated. -1
  - o No rel-ships between rel-ships.
  - o Arrows are meaningful and understandable; point to the entities.
  - o Each rel-ship is binary or multi-way.
- C. OTHER CONSTRUCTS (ISA, weak entities) used correctly. -1
- D. Things are fully specified; there are not ambiguities or things missing in the diagram that makes it an incomplete E/R diagram. (The diagram is a faithful attempt to model the domain. E.g., an empty diagram or woefully incomplete diagram does not get full credit on SYNTAX just because it is, technically, syntactically correct.) -1

II. SEMANTICS : modelling the domain correctly ..... \_ / 6

- A. Correct entities and rel-ships to model the domain. (Captures the domain in a general sense, at least.) No logically redundant elements in design. -1
- B. RECON modelled in an appropriate way, and logically correct. -1
- C. TEST modelled well, is weak on PERSON and TIME SLOT, has exactly one TIME\_SLOT and happens at exactly one TEST\_CENTRE, and may result in an ACTION. -1
- D. TEST\_CENTRE is a subtype of PLACE (ISA). -1
- E. OFFERS: a TEST\_TYPE can be offered at many TEST\_CENTRE and a TEST\_CENTRE may offer many TEST\_TYPE. -1
- F. BUBBLE is handled in a correct way, likely as a recursive many-many relationship on PERSON twice. -1

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TOTAL ..... 10 / 10