

A.5 The UML Knowledge Assessment Exercise Marking Scheme

| Question Number | Answer |
|-----------------|---|
| Question 1 | (5) A many-to-many association |
| Question 2 | (2) This is NOT a valid UML class diagram. |
| Question 3 | (1) Composition relationships can be one-to-many, and (4) Composition relationships are used to show exclusive relationships. |
| Question 4 | (2) This is a composition relationship, and (3) This is a one-to-many relationship. |
| Question 5 | (4) Mouse. |
| Question 6 | (3) Y. |
| Question 7 | (2) B, and (3) C. |
| Question 8 | (1) It is valid for a Zippy to have no associated Dippy, and (5) Every Dippy must be associated with at least one Zippy. |
| Question 9 | (1) 2..4 is a valid multiplicity indicator, and (4) An optional association is shown using the multiplicity indicator 0..1 |
| Question 10 | More than one answer were accepted. |
| Question 11 | (1) Yes. |
| Question 12 | (1) Yes. |