1. 1. While observing a lake at dusk, Mira notes: “Almost all ducks I can see are tagged.” Which conclusion is logically guaranteed?  
   (A) At least one duck in the lake is tagged.  
   (B) No untagged duck exists in the lake.  
   (C) Some tagged animals are not ducks.  
   (D) All animals in the lake are tagged.
2. 2. In a botanical garden, “Every violet here is fragrant, and some fragrant flowers are lilies.” Which conclusion follows?  
   (A) Some lilies are violets.  
   (B) Some fragrant flowers may not be violets.  
   (C) All fragrant flowers are violets.  
   (D) No lily is fragrant.
3. 3. In a lab test, “No synthetic sample reacted to reagent R. Some natural samples did.” Which conclusion follows?  
   (A) Some samples that reacted were not synthetic.  
   (B) All natural samples reacted.  
   (C) Some synthetic samples reacted.  
   (D) No natural sample failed to react.
4. 4. At an observatory, “All comets recorded tonight had elliptical paths. Some objects recorded tonight were not comets.” Which conclusion follows?  
   (A) Some elliptical-path objects were not comets.  
   (B) All recorded objects had elliptical paths.  
   (C) Some recorded objects may lack elliptical paths.  
   (D) No non-comet had an elliptical path.
5. 5. A statistician states: “Most submitted manuscripts were accepted. Some accepted manuscripts were co-authored.” Which conclusion is safe?  
   (A) At least one accepted manuscript was co-authored.  
   (B) All accepted manuscripts were co-authored.  
   (C) No rejected manuscript was co-authored.  
   (D) Most co-authored manuscripts were accepted.
6. 6. In an art fair, “Some paintings are signed. All signed works are insured.” Which conclusion is valid?  
   (A) Some insured works are paintings.  
   (B) All insured works are paintings.  
   (C) No unsigned work is insured.  
   (D) Some insured works are not paintings.
7. 7. In a survey, “Every respondent who chose Option A also chose Option B. Some respondents chose Option B but not Option A.” Which conclusion follows?  
   (A) Option B was chosen by more respondents than Option A.  
   (B) Option A and B were chosen by exactly the same respondents.  
   (C) No one chose Option A.  
   (D) Everyone chose Option A.
8. 8. During a seminar, “None of the keynote speakers arrived late. Some attendees arrived late.” Which conclusion follows?  
   (A) Some late arrivers were not keynote speakers.  
   (B) All late arrivers were keynote speakers.  
   (C) No attendee was on time.  
   (D) Some keynote speakers were late.
9. 9. In a course, “All honors students submit the project proposal early. At least one early submission is from a non-honors student.” Which conclusion follows?  
   (A) Some early submissions are not from honors students.  
   (B) All early submissions are from honors students.  
   (C) No honors student submitted early.  
   (D) No non-honors student submitted early.

10. In a field note, “Some migrating birds are banded. No banded animal in this study is a mammal.” Which conclusion is certain?  
(A) Some migrating birds in this study are not mammals.  
(B) No migrating bird is an animal.  
(C) All animals in the study are birds.  
(D) Some mammals are banded.