

Part A. Listening

1.

- (A) He thinks he got a good grade.
- (B) The history grades were all C or above.
- (C) No one got history grades.
- (D) All the grades were C or lower.

2.

- (A) The parking lots were full before 10:00.
- (B) It was impossible to start class by 10:00.
- (C) He parked the car before class at 10:00.
- (D) The possibility of finding a place to park increased.

3.

- (A) She's found a new ring.
- (B) She would like a hug.
- (C) She's shopping for a carpet.
- (D) She's thankful she has a rag.



4

- (A) In a department store.
- (B) In a bank.
- (C) In an accounting firm.
- (D) In a checkout line.

5.

- (A) Jane usually visits San Francisco for her vacations.
- (B) Jane's cousin often visits San Francisco.
- (C) Whenever there's a holiday, Jane's cousin goes to San Francisco.
- (D) Whenever there's a holiday, Jane leaves San Francisco.

Part 2 Reading

Directions:

Read the passage carefully. Each question has four choices. Choose the best answer (A, B, C, or D) to each question based on what is stated or implied in the text.

Questions 1–10

1. What is the primary purpose of the passage?

- (A) To refute earlier hypotheses regarding celestial navigation in migratory birds
- (B) To examine the biophysical mechanisms underlying avian geomagnetic navigation
- (C) To contrast the cognitive navigation abilities of songbirds with other vertebrates
- (D) To argue that quantum processes are the exclusive cause of bird migration

2. The word "uncanny" in paragraph 1 is closest in meaning to

- (A) extraordinary
- (B) erratic
- (C) deceptive
- (D) sporadic

3. According to paragraph 2, biogenic magnetite in the upper beak is thought to function by

- (A) absorbing photons to stimulate optical nerve responses
- (B) exerting mechanical torque on ion channels during magnetic shifts
- (C) aligning the bird's feathers directly along magnetic vector lines
- (D) triggering chemical reactions exclusively in nocturnal conditions

- 4. The word "transduce" in paragraph 2 is closest in meaning to**
- (A) convert
 - (B) amplify
 - (C) repel
 - (D) disperse
- 5. According to the passage, the radical pair mechanism in cryptochromes requires which of the following to initiate electron transfer?**
- (A) Mechanical torque from iron crystals
 - (B) The absorption of blue light
 - (C) High ambient temperatures
 - (D) Direct input from the trigeminal nerve
- 6. Which of the following can be inferred from paragraph 3 about how birds experience the radical pair mechanism?**
- (A) They experience physical pressure localized within the beak.
 - (B) They perceive magnetic cues as alterations in visual perception.
 - (C) They rely on auditory signals generated by radical recombination.
 - (D) They sense fluctuating magnetic fields through olfactory receptors.
- 7. The word "exquisitely" in paragraph 3 is closest in meaning to**
- (A) superficially
 - (B) delicately
 - (C) clumsily
 - (D) intensely

8. What evidence is presented in paragraph 4 to demonstrate the functional distinction between the two navigational systems?

- (A) The destruction of magnetite crystals in migratory songbirds during daytime flight
- (B) The differing neurological outcomes observed when either the trigeminal nerve or Cluster N is disrupted
- (C) The total absence of cryptochromes in birds navigating across oceanic corridors
- (D) The complete cessation of migration when birds fly through artificial magnetic fields

9. According to paragraph 4, disabling Visual Cluster N results in

- (A) the loss of the bird's primary directional compass heading
- (B) an immediate paralysis of the ophthalmic branch of the trigeminal nerve
- (C) an inability to identify celestial constellations and landmarks
- (D) the degradation of biogenic magnetite crystals in the beak

10. The word "fidelity" in paragraph 4 is closest in meaning to

- (A) loyalty
- (B) velocity
- (C) accuracy
- (D) agility