2025 Bi H1 Q14

Section: Metabolism and Survival

Topic: Adaptations for Survival

Question Summary:

You are asked which statement correctly describes **migration**. Migration is a behavioural adaptation used by many animals in response to seasonal changes.

Worked Solution:

- Migration is the **regular, seasonal movement** of animals from one region to another.
- The main purpose of migration is to **avoid adverse conditions** such as low temperatures or lack of food in winter.

Check each option:
- A: **It allows animals to avoid adverse conditions** ✔ This is correct.
- B: Survive adverse conditions → refers to **dormancy** (hibernation, aestivation), not migration ✘
- C: Only learned behaviour → migration is partly innate and partly learned ✘
- D: Only innate behaviour → same issue; it is a mixture of both ✘

Therefore, the correct description of migration is option A.

Final Answer: A

Revision Tips:

- Migration = active movement to avoid bad conditions; dormancy = survive bad conditions by reducing metabolism.
- Migration often combines **innate** navigation mechanisms with **learned** route information.
- Typical examples: geese, swallows, salmon, wildebeest.