

### Corrigendum/Explanation SFG 2025 Level 2 Test 16

**There are no changes to the solutions/answers. Explanations have been provided for the students who have raised doubts.**

**In Q.8)** There was a doubt raised with respect to Statement 3 of the question that the Asiatic lion is currently listed as vulnerable on the IUCN Red List of threatened species.

**Explanation-**Statement 3 is correct. The IUCN Status of Asiatic Lion has been changed from Endangered to Vulnerable in 2024.

**In Q.40)** There was a doubt raised with respect to Statement 1 of the question that the Mitochondrial Donation involves replacing the mother's faulty mitochondrial DNA with healthy mitochondrial DNA from a donor egg.

**Explanation-** Statement 1 is correct. In Mitochondrial Replacement Therapy or the Mitochondrial Donation Treatment, the faulty Mitochondrial DNA of the original parent (mother) is discarded and the Mitochondrial DNA from a donor mother is used. It is done by taking out the nuclear DNA from the patient mother and transplanting it into the donor egg with healthy mitochondrial DNA (with the nuclear DNA of the donor removed). So, the Mitochondrial Replacement Therapy or the Mitochondrial Donation Treatment as a whole replaces the faulty mitochondrial DNA with healthy mitochondrial DNA from a donor egg.