**Ali Samareh Taheri**

Writing – Integrated task 2 – TPO 47

Time: 40 min

Number of Words: 363

The reading asserts that a group of large winged animals called pterosaurs were not capable of powered flight. The lecturer, however, finds the idea dubious and casts doubt on the reasons proposed by the reading passage.

The author argues that pterosaurs were probably cold-blooded due to relying on the fact that they were similar to modern reptiles which are cold-blooded and have slow metabolism, accordingly they didn't have enough energy to take off, stay aloft and flap their wings. conversely, the lecturer brings up the idea that discovered fossils indicates that this type of animal has dense, hair-like covering similar to fur, which is similar to warm-blooded animal. this fur is necessary to maintain the temperature of their body below in a cold situation. accordingly, their required energy for powered flight was supplied, when they were warm-blooded.

Furthermore, the reading passage holds the view that they might have been able to flying due to the size of their body frame. they seemed to be very large and in fact heavy; however, they wouldn't have been able to stay aloft. on the contrary, the professor underlines the fact that pterosaurs had an aberrant body frame. he claims that they have anatomical features make their anatomy light. For instance, hollow, light-weighted bones kept their weights low despite their big frame of body. accordingly, they weight might have been low enough to fly.

Finally, the reading asserts that they were not able to take off from the ground which requires big, powerful muscles in their back legs to take off; however, according to their discovered fossils, it has observed that they had small and weak muscles in their back leg which seems to prevent them from flying. in contrast, the speaker dismisses this issue due to the fact that there are some differences between birds and these animals. Birds has two limbs as it's back legs to push off the ground, however, pterosaurs have 4 limbs which it walked on all these limbs and use all of them to take off. it has been observed some modern animals use four limbs to take off like bats. according to the studies they would be capable of running fast and jumping.