

回答例 (計 100 点)

**Q1. Explain why the cardboard boxes are popular. (20 点)**

Because cardboard boxes are inexpensive, have excellent strength-to-weight ratios and are relatively easy to manufacture. 同義の記載であれば可。

**Q2. Explain the ideal configuration for a 'telescoping' box that revealed by air-flow analysis. (20 点)**

A telescoping box having a gently narrowing gap.

同義の記載であれば可。

**Q3. What is the major reason for falling of coastal cities? (30 点)**

Pumping groundwater from beneath the cities. 同義の記載であれば可。

**Q4. Explain the feature of X\* chromosome in pygmy mice. (20 点)**

X\* overrides the Y chromosome to create X\*Y female offspring. 同義の記載であれば可。

**Q5. What is the percentage of pygmy mice with XY chromosome to be male? (10 点)**

100%