Teacher Answer Key

Case Study

1. Glacial retreat reduces meltwater crucial for irrigation, drinking water, and hydroelectric power, threatening local livelihoods.

2. Reforestation initiatives, improved water management (like reservoirs or drip irrigation), and monitoring glacier health are some measures taken.

Multiple Choice

1. C

2. B

3. A

Matching

1-D, 2-E, 3-B, 4-A, 5-C

Fill-in-the-Blank

1) Tropical, 2) Tundra, 3) temperate zone

Short Answer (Sample Responses)

Q1: Melting ice caps and glaciers raise sea levels and alter global weather patterns, signaling rapid planetary warming.

Q2: The ITCZ and trade winds bring heavy rainfall to equatorial regions, while subtropical high-pressure zones create drier conditions.

Q3: Temperate climates offer moderate weather, fertile soils, and fewer extreme conditions, making them ideal for agriculture and urban growth.