

CHAPTER-2 | Understanding the Weather

QUIZ
PART-05

1. What does an Automated Weather Station (AWS) measure?

- A. Temperature only
- B. Temperature, humidity, wind speed, and precipitation
- C. Wind speed and atmospheric pressure only
- D. Cloudiness and sunlight (B)

Explanation: AWS measures several weather elements such as temperature, humidity, wind, rainfall, and pressure.

2. Where was an AWS set up by the National Disaster Management Authority in 2023?

- A. Gujarat
- B. Sikkim
- C. Maharashtra
- D. Himachal Pradesh (B)

Explanation: An AWS was set up at a glacial lake in Sikkim.

3. What is the primary purpose of weather predictions today?

- A. To entertain the public
- B. To track global weather trends
- C. To prepare for extreme weather events like floods, cyclones, and droughts
- D. To monitor the movement of animals (C)

Explanation: Weather prediction helps people prepare for extreme weather events.

4. Why are fishermen warned about stormy weather?

- A. To ensure they stay on land for the day
- B. To prevent them from venturing out in dangerous conditions
- C. To avoid overfishing
- D. To ensure their boats are cleaned (B)

Explanation: Warnings help protect fishermen from dangerous sea conditions.

5. What kind of weather condition might cause the evacuation of an entire coastal area?

- A. Heavy snowfall
- B. Cyclone
- C. Heatwave
- D. Earthquake (B)

Explanation: Cyclones can force evacuation for public safety.

6. What is the function of a weather station?

- A. To provide recreational weather data
- B. To measure and track weather at a particular place and time
- C. To predict weather with no instruments
- D. To monitor daily activities (B)

Explanation: A weather station uses instruments to measure and track weather conditions.

7. Why do weather maps issued by the India Meteorological Department matter?

- A. They are used only by tourists
- B. They help people understand warnings and prepare for changing weather
- C. They show only temperature
- D. They are made only for pilots (B)

Explanation: IMD weather maps help people and authorities understand warnings and prepare for conditions like heavy rain, storms, and cyclones.

8. What happens when meteorologists use long-term weather data?

- A. They store the data for record-keeping
- B. They try to predict future weather events
- C. They use it to entertain the public
- D. They monitor climate change without predictions (B)

Explanation: Long-term weather data helps meteorologists make predictions and improve planning.

9. What would be the most common action for local governments if a cyclone warning is issued?

- A. Redirect traffic
- B. Evacuate affected areas
- C. Close schools for a week
- D. Allow businesses to operate as usual (B)

Explanation: Local governments usually evacuate affected areas to protect people.

10. What is one major benefit of using automated weather stations?

- A. They collect weather data automatically and continuously
- B. They are used only in tropical regions
- C. They never need maintenance
- D. They stop the need for all human work in weather science (A)

Explanation: Automated weather stations collect weather data automatically and continuously, improving monitoring and warning systems.