

Sample Questions for the National Meteorological Olympiad

1. In which year was the India Meteorological Department (IMD) established?

- A. 1854
- B. 1875
- C. 1901
- D. 1947

Answer: B. 1875

2. Where is the headquarters of the India Meteorological Department located?

- A. Mumbai
- B. Kolkata
- C. New Delhi
- D. Pune

Answer: C. New Delhi

3. What is the primary function of the IMD?

- A. Monitoring and preserving wildlife
- B. Providing weather forecasts and warnings
- C. Conducting geological surveys
- D. Overseeing agricultural production

Answer: B. Providing weather forecasts and warnings

4. What is the IMD's highest alert issued for severe weather conditions?

- A. Green Alert
- B. Yellow Alert
- C. Orange Alert
- D. Red Alert

Answer: D. Red Alert

5. Which ministry oversees the functioning of the India Meteorological Department?

- A. Ministry of Agriculture and Farmers Welfare
- B. Ministry of Earth Sciences
- C. Ministry of Environment, Forest and Climate Change
- D. Ministry of Science and Technology

Answer: B. Ministry of Earth Sciences

6. How does the IMD contribute to disaster management in India?

- A. By issuing early warnings for cyclones, heavy rainfall, and heatwaves
- B. By controlling river water levels
- C. By constructing earthquake-resistant infrastructure
- D. By relocating people from coastal areas

Answer: A. By issuing early warnings for cyclones, heavy rainfall, and heatwaves

7. The IMD uses a network of radars across the country to monitor weather. What is the name of this radar network?

- A. Doppler Weather Radar Network
- B. Cyclone Warning Radar Network
- C. Rainfall Prediction Radar Network
- D. Weather Satellite Radar Network

Answer: A. Doppler Weather Radar Network

8. Which satellite is often used by IMD for weather observation and forecasting?

- A. INSAT series
- B. GSAT series
- C. PSLV series
- D. GAGAN series

Answer: A. INSAT series

9. What is the name of the mobile app launched by IMD to provide weather updates and forecasts?

- A. Weather India
- B. Mausam
- C. Climate Tracker
- D. Bharat Weather

Answer: B. Mausam

10. What does the IMD use to measure rainfall?

- A. Thermometer
- B. Barometer
- C. Rain Gauge
- D. Hygrometer

Answer: C. Rain Gauge