

Summary

On May 28, 2025, the moon is predicted to be easily visible across most cities in Pakistan around 19:11 local time. This assessment is based on a visibility criterion of 'A,' a relatively high moon altitude of approximately 19.0 degrees, an illumination of 3.3%, and a moon age of 35 hours and 35 minutes. These factors collectively suggest favorable conditions for observing the young crescent moon shortly after sunset.

Key Findings

- **Overall Visibility:** The moon is generally expected to be easily visible throughout Pakistan on May 28, 2025.
- **Visibility Criterion:** A visibility criterion of 'A' is consistently cited as an indicator of easy visibility across all locations.
- **Altitude:** The moon's altitude is relatively high, around 19.0 degrees, placing it well above the horizon.
- **Illumination:** An illumination of 3.3% is considered sufficient or even high for a young moon.
- **Moon Age:** The moon's age of 35 hours and 35 minutes further contributes to its visibility.

Difference in Moon visibility parameters of given cities

- All cities have almost the same parameters for moon visibility like the visibility criterion is 'A', altitude is around 19 degrees, illumination is 3.3%, and Moon age is 35 hours and 35 minutes.
- Sunset Time varies across the cities as Dir (19:19), Gilgit (19:11), Islamabad (19:10), Jiwani (19:37), Karachi (19:15), Lahore (19:00), Mansehra (19:12), Multan (19:09), Muzaffarabad (19:11), Peshawar (19:17), Quetta (19:27), Swabi (19:14).

Key Factors Affecting Moon Visibility

- **Visibility Criterion:** A predefined scale indicating the ease of visibility.
- **Moon Altitude:** The moon's height above the horizon.
- **Illumination:** The percentage of the moon's surface reflecting sunlight.
- **Moon Age:** The time elapsed since the new moon.

Conclusion

Based on the provided data, moon visibility for the Islamic month of 1445 is expected to be **high** in Pakistan, particularly on May 28, 2025. All indicators point towards favorable conditions for sighting the crescent moon.