

These questions refer to page 19, Significant Weather Events and Figures 27a and b on page 60 of The Qatar's Climatological Map, Civil Aviation Authority. Questions 1-5 are based on page 19, and questions 6-10 refer to page 60.

1. What are Shamal winds, from where and what do they disperse across areas?
2. How are Shamal winds identified?
3. Describe what are 'Strong Shamal Winds'?
4. What and where are climatological statistics provided by the Civil Aviation Authority based on, and during which years?
5. Interpreting Figure 27 (a) on page 60, what is the total mean number of days for shamal wind days?
6. How are the 'Strong Shamal Days' represented on the bar chart? Explain and describe.
7. Which month represents the 'Strong Shamal Days'? Why do you think it is stronger during this month?
8. Interpreting Figure 27 (b) on page 60, what is the total mean number of days for sand storm/thick dusty, hazy days?
9. Which month(s) is there more haze, mist, dust and sand? Explain why you think this might be.
10. Which month(s) are there more sand storms or thick dusty haze? Explain why you think this might be.
11. What challenges can dust storms, wind days, and haze, mist, dust and sand have for residents, citizens, visitors and travelers?
12. Based on the data and your observations, how does Qatar provide safety during significant weather events for its citizens, residents and visitors? Provide positive examples.