

Meteorology

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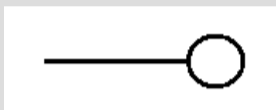
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There are 20 questions in this examination.
Only one answer is correct. The pass mark is 75%.
You would normally be allowed 60 minutes.

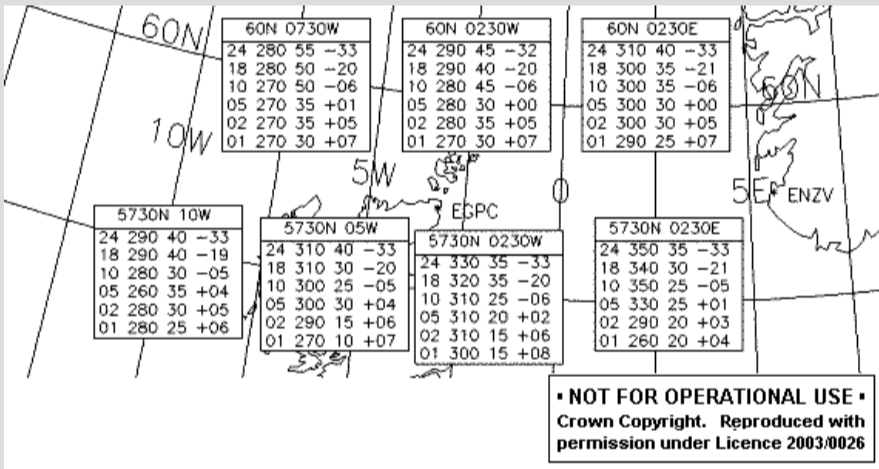
- A line on a meteorological chart joining areas of equal wind speed is known as an:
 - isobar
 - isotach
 - isospeed
 - isovitesse
- A UK Metform 215 (F215) will have a validity period of:
 - 3 hours
 - 6 hours
 - 9 hours
 - 12 hours
- Which of the following conditions are suitable for the formation of radiation fog?
 - Clear night, moist air, strong winds
 - Cloudy night, moist air, light winds
 - Clear night, moist air, light winds
 - Cloudy night, very moist air, moderate winds
- What sort of weather would you associate a tropical continental air mass with?
 - Hot and dry conditions with the possibility of haze in summer
 - Rain and cloud, snow in winter
 - Warm and wet conditions
 - Drizzle and high humidity
- The speed of advance of a cold front is:
 - faster than a warm front
 - slower than a warm front
 - the same as a warm front
 - significantly slower than a warm front

- What wind speed is indicated by the following symbol, drawn from a meteorological chart?



- Zero kts
 - 1-2 kts
 - Less than 5 kts
 - Variable speeds
- How are cumulus clouds with marked vertical development identified in a METAR?
 - +TCU
 - +CU
 - TCU
 - +>CU
 - During a climb, your static vent ices over completely. What effect will this have on your altimeter?
 - It will show a continual and gradual descent
 - It will show a continuing climb, even when you level out
 - It will give the appearance of level flight at that altitude
 - It will show fluctuations and the indicator needle will become unsteady
 - In which stage of the life cycle of a thunderstorm would you expect to find strong warm updrafts, with no significant downdrafts?
 - The Incipient Stage
 - The Mature Stage
 - The Dissipating Stage
 - The Cumulus Stage
 - Which of the following METARs is reporting fog banks at Exeter?
 - EGTE 210820Z 00000KT 0900 BKFG FEW002 BKN050 03/03 Q1034
 - EGTE 210820Z 12005KT 3000 FG FEW005 BKN030 08/03 Q1032
 - EGTE 210820Z 00000KT 0900 BCFG FEW002 BKN050 03/03 Q1031
 - EGTE 210820Z 00000KT 0900 PRFG FEW003 BKN050 03/03 Q1031

- Study the extract, taken from a Form 214. What would you expect the wind speed and direction to be at 2000 ft in a position 60N 05W?



- 270 at 35 kts
 - 280 at 35 kts
 - 275 at 35 kts
 - 275 at 30 kts
- What weather conditions would you expect if the TAF included the abbreviation RASN?
 - Drizzle and mist
 - Good conditions (Relative Atmosphere Stability Normal)
 - Rain and Stratonimbus
 - Rain and snow mixed (sleet)
 - What is 10 degrees Celsius, expressed using the Fahrenheit scale?
 - 38 degrees Fahrenheit
 - 44 degrees Fahrenheit
 - 50 degrees Fahrenheit
 - 65 degrees Fahrenheit
 - Lines that join areas of equal pressure on a meteorology chart are known as:
 - isotherms
 - isobars
 - isogonals
 - isotachs
 - The ISA (International Standard Atmosphere) assumes an environmental lapse rate of:
 - 1.5 degrees Celsius for every 1000 ft
 - approximately 2 degrees Celsius for every 1000 ft
 - 3.0 degrees Celsius for every 1000 ft
 - 5 degrees Celsius for every 1000 ft
 - There has been an anticyclone established for nearly a week, with the centre of high pressure established over your aerodrome. What would you expect the flying conditions to be like?
 - Strong winds and good visibility
 - Light winds and a risk of haze
 - Rain and showery conditions, excellent visibility
 - Moderate winds, good visibility becoming poor in showers
 - When water turns from a vapour into a liquid, it is said to have:
 - condensed
 - sublimed
 - deposited
 - evaporated
 - Cirrus cloud has an approximate cloud base of:
 - 1000 ft
 - 2000 ft
 - 8000 ft
 - 20000 ft
 - The first layer of the atmosphere, closest to the earth is called the:
 - troposphere
 - tropopause
 - ionosphere
 - mesosphere
 - A special forecast can be requested for flights up to 500 nautical miles in distance. How much notice are you required to give for this?
 - At least 30 minutes
 - At least 60 minutes
 - At least 90 minutes
 - At least 120 minutes

A marking sheet has been sent to jon@jdyorke.com
If you find an error, please email us at feedback@airquiz.com

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