

Correct answer

### Question 1

What is the difference between prevailing visibility and runway visual range?

- ☐ what you can see from your room
- ☒ RVR is what a pilot from the cockpit can see when looking down the runway
- ☒ greatest distance an observer can see
- ☐ what you can see from 5,000 ft MSL and 7,000 ft MSL

Correct answer

### Question 2

In a METAR, what is meant by a + sign immediately preceding a precipitation code?

- ☐ light intensity
- ☒ heavy intensity
- ☐ moderate intensity

Correct answer

### Question 3

1 / 1 pts

If a METAR reported a sky condition of BKN008, what altitude were the bases of the clouds at the time of the observation? How much of the sky was covered?

- ☒ 800 ft AGL, 5/8 to 7/8 of the sky
- ☐ 80 ft AGL, 5/8 to 7/8 of the sky
- ☐ 800 ft MLS, 5/8 to 7/8 of the sky

Correct answer

### Question 4

4 / 4 pts

Select all that apply.

Decode the following METAR (KHOU = William P. Hobby Airport).

METAR KHOU 221853Z 17009KT 2SM -TSRA SCT004 BKN009 OVC015 21/20 A3004 RMK TSB12 SLP170 T02060196

- ☒ Overcast 1,500 ft AGL
- ☐ Ceilings at 400 ft AGL
- ☒ Thunderstorm began at 18:12 Z
- ☒ Temp/Dewpoint Spread 1°C
- ☒ Thunderstorm with light rain

Correct answer

### Question 5

True/False. Altitudes given in PIREPs are in feet MSL.



☒ True

☐ False

Correct answer

### Question 6

Normally, how long are TAF's valid?

☐ 12 Hours



☒ 24 Hours

☐ 48 Hours



### Question 7

In a TAF, what does the code BECMG 0305 indicate?

- ☒ A gradual change between 0300Z and 0500Z
- ☐ A change from 0305Z

### Correct answer

### Question 8

Select all that apply.

Decode the following TAF (KPIT = Pittsburgh International Airport).

TAF

KPIT 091730Z 091818 22020KT 3SM -SHRA BKN020  
FM2030 30015G25KT 3SM SHRA OVC015 TEMPO 2022 1/2SM TSRA OVC008CB  
FM0100 27008KT 5SM -SHRA BKN020 OVC040 PROB40 0407 27008KT 1SM -RA  
FM1000 22010KT 5SM -SHRA OVC020 BECOMG 1315 20010KT P6SM NSW

- ☒ From 2030Z wind 300° at 15knots, with gust to 25knots
- ☐ Issued on the 9th day of the month at 1818Z
- ☒ Becoming between 1300Z and 1500Z, visibility greater than 6sm
- ☒ From 0100Z, light rain showers with a 40% probability
- ☐ NSW stands for North, South, West
- ☒ Temporary between 2000Z and 2200Z, Thunderstorm and rain

### Question 9

1 / 1 pt

The winds and temperatures at your flight altitude are forecasted as 1825-02. You plan to fly a true heading of 360° and a true airspeed of 130knots. What groundspeed can you expect? What will be the outside air temperature?

- ☐ GS 135 knots / OAT -2°C
- ☐ GS 106 knots / OAT +°2C
- ☒ GS 155 knots / OAT -2°C

### Correct answer

### Question 10

1 / 1 pt

Select the weather phenomena which can initiate the issuance of an AIRMET

- ☒ Extensive mountain obscurement
- ☐ Light icing
- ☐ Sustained winds of 25 knots or more at the surface

Correct answer

### Question 11

True/False. A line of thunderstorms will usually prompt the issuance of a SIGMET (WS).

☐ True

☒ False