

METRO PRACTICE TEST

Re: Metro Practice Figures __ 20170207

1. mTk air mass has the greatest potential for producing what type of weather?
 - A. Stratiform clouds and steady rain.
 - B. Cumuliform clouds and fog.
 - C. Cumuliform clouds and good visibility.**
 - D. Stratiform clouds and turbulence.

2. Using the Airmet (figure F-7) provided.
What is the maximum sustained winds over eastern Texas and Oklahoma?
 - A. 55 KTS
 - B. 35 KTS**
 - C. 45 KTS
 - D. 30 KTS

3. Which of the following is a continuous broadcast over selected low frequency (190-535 kHz) navigational aids (L/MF range on H facility) and/or VORs.
 - A. PATWAS.
 - B. TEL-TWEB.
 - C. IVRS.
 - D. TWEB.**

4. Which of the following can be accessed by pilots with a current medical certificate?
 - A. DUATS.**
 - B. TIBS.
 - C. TEL-TWEB.
 - D. PATWAS.

5. How long past ETD is a pilot required to be re-briefed concerning the weather?
 - A. 2 hours.
 - B. 30 minutes.**
 - C. 1 hour.
 - D. 45 minutes.

6. Using the Area Forecast (figure F-4) provided.

Select the true statement concerning the minimum visibility over western Oklahoma.

- A. 5 NM
- B. 3 SM**
- C. 5 SM
- D. 3 NM

7. A squall line is...

- A. the boundary between dissimilar air masses
- B. a wide spread area of continuous precipitation and nimbostratus clouds
- C. best characterized as violent wind, rain, lightning, thunderstorms, and frequently, hail and tornadoes**
- D. not normally associated with warm, moist, unstable air masses

8. Squall lines normally develop...

- A. behind a fast moving warm front
- B. 100-200 miles behind a cold front
- C. only in the U.S.
- D. 50-300 miles ahead of a fast moving cold front**

9. What are the average altitudes and depths of the strongest jet stream winds?

- A. 25,000-40,000 feet/3000-7000 feet**
- B. 3000-4000 feet/3000-4000 feet
- C. 300,000-400,000 feet/3000-4000 feet
- D. Well above the tropopause/varies

10. The Jet Stream is the strongest during what season?

- A. Spring.
- B. Summer.
- C. Fall.
- D. Winter.**

11. Use the **Low Level Significant Weather Prognostic Chart** (figure F-9) provided.

A pilot flying over western Washington State around 1000Z on 19 FEB would expect...

- A. IFR conditions
- B. rain and snow showers mixed
- C. severe turbulence 10,000 – 24,000 feet**
- D. A freezing level at the surface

12. USE THE *METAR* REPORT TO ANSWER THE FOLLOWING QUESTION

KDFW 1857Z 15005KT 2SM R02/6000FT RA FG BKN000 BKN005 OVC012
10/M01 A2985 RMK VIS1V3 GIG004V006 BKN000 FG SLP122 WR//

What was the reported prevailing visibility and restriction/s to visibility?

- A. 3 miles in rain and fog
- B. 1 mile in rain and fog
- C. 2 miles in rain and fog and varying
- D. 6000' in rain and fog

13. A pilot looking for information concerning braking action at his destination would most likely find it in the...

- A. Terminal Forecast.
- B. Aviation Routine Weather Report.
- C. Severe Weather Watch Bulletin.
- D. Notice to Airmen Report.

14. Almost all-adverse weather is associated with...

- A. extreme turbulence.
- B. high concentrations of moisture.
- C. icing.
- D. extreme temperature changes.

15. ADW UA/OV BRV 045025 /TM 0920 / FL080 /TP T37 /SK 040 OVC TOP UNK /TB
LGT

Select from the above **PIREP** the true statement from the following.

- A. The freezing level is 8000 feet MSL
- B. Light thunderstorms were reported
- C. The base of the overcast was reported above 4000 feet AGL
- D. the report was made from NE of BRV

16. Which of the following identifiers are text-element indicators found on pilot reports?

- A. /IR /SK /TB /TA
- B. /FL /TP /BD /WA
- C. /OV /TA /WV WX
- D. /IC /RM /SP /TM

17. From the Radar Summary Chart (figure F-11) provided.

What is the maximum echo intensity and height associated with the thunderstorm over north California and south Oregon?

- A. Echo intensity of 6; tops 22,000 feet
 - B. Echo intensity of 1; no tops given
 - C. Echo intensity of 4; tops 30,000 feet**
 - D. Echo intensity of 2; tops 31,000 feet
18. Use the RADAR SUMMERY CHART (figure F-11) provided.
What type of precipitation was over the central panhandle of northwestern Florida?
- A. There was no echoes (NE) detected in that location
 - B. Thundershowers
 - C. Rain showers**
 - D. Rain
19. A "V" shaped notch echo pattern on weather radar indicates the possible presence of a...
- A. tornado**
 - B. hail shift
 - C. rapidly developing thunderstorm
 - D. radar malfunction
20. Variations in shading (color) on an infrared (IR) Satellite Picture would be indicative of...
- A. cloud shadowing
 - B. malfunctioning sensors
 - C. temperature changes**
 - D. gray mode oscillations
21. The schedule which non-convective SIGMETS are transmitted is...
- A. two times daily
 - B. four times daily
 - C. as required**
 - D. 8 times daily

22. Which of the following does a Surface Analysis Chart provide?
- A. The near current location of pressure systems, fronts, squall lines
 - B. Forecast areas of turbulence
 - C. Observations of winds at flight level
 - D. An analysis of IFR/VFR/MVFR conditions.
23. As a rule, the most dangerous form of structural ice is...
- A. rime
 - B. frost
 - C. clear (glaze)
 - D. mixed
24. Which of the following would be the best source of information regarding areas reporting IFR conditions?
- A. Surface Analysis Chart
 - B. Radar Summary Chart
 - C. Surface Prognostic Chart
 - D. Weather Depiction Chart
25. Using the Winds-Aloft Prognostic Chart (figure F-12) provided.
What is the average wind direction/speed, and temperatures for a flight from southeastern Texas to northwestern Texas?
- A. 296° MAG/26 KTS, -6° C
 - B. 296° TRUE/26 KTS, -6° C
 - C. 116° MAG/26 KTS, -6° C
 - D. 116° TRUE/26 KTS, -6° C
26. During planning of training command flights NATOPS, CNATRA, and TRAWINGFOUR instructions effectively require that certain weather warnings be treated "as if" they were a WW. Which of the following are included in that requirement?
- A. AIRMET's, MWA Green areas
 - B. CAWW's, SIGMET's, and certain color-coded MWA's
 - C. CWA's, AIRMET's, MWA Black and Purple areas
 - D. None of the above, the WW is the ONLY warning that these instructions are concerned with