BAK Assessment Module 12. INTRODUCTION to NAVIGATION - WORKING FILE



Q7.

The track from the aerodrome to the training area is 270°T. If the variation at the aerodrome is quoted as 10°E, then the magnetic heading to get there in nil wind is ?

WORKING:

"Variation EAST = Magnetic LEAST"

True	270°T
Less variation	-10°
Magnetic	260°M

Q8.

The track from the centre of the training area to the aerodrome is 090°T. If the variation at the aerodrome is quoted as 2°W, then the magnetic heading to get there in nil wind is ?

WORKING:

"Variation WEST = Magnetic BEST"

True	090°T
Less variation	+2°
Magnetic	092°M

Q9.

The wind is from the right of the aircraft. The drift will be?



Q12.

WORKING:

If the magnetic variation at a point on earth is "EAST", then the ? "Variation EAST = Magnetic LEAST".

Q14.

The aerodrome is at latitude S35. A position 60 nm south of the aerodrome will be on which latitude.

WORKING:

60 nm = 1 degree of latitude. So S35 + 1 = S36.

Q20.

The difference in time between Western Standard Time (WST) and Eastern Standard Time (EST) is ?

WORKING:

Eastern Standard time is Zulu + 10. Western Standard Time is Zulu +8 Difference 2 hours.

Q28.

The wind is described on an area forecast (ARFOR) as 080°T. The magnetic equivalent if the variation is 7°E is ?

WORKING:

- 1. ARFOR winds are TRUE.
- 2. "Variation EAST = Magnetic LEAST".

ARFOR (True)	080°T
Less variation	-7°
Magnetic	073°M

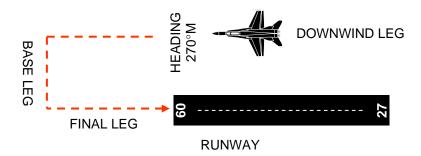
Q30.

The tower reports another aircraft in your 3 o'clock position. This aircraft is ?



Q32.

You are on downwind for runway 09. The approximate heading assuming nil wind is ?



Q34.

Western Standard Time is quoted as Zulu + 8 hours, and EST is Zulu + 10 hours. This means that ?

WORKING:

Points further WEST are earlier, so Western Australia Earlier the Eastern Standard Time.

Q35.

It is 1100 hours in Greenwich, England. If Tasmania standard time is quoted as Greenwich + 10 hours, then the equivalent Standard time in Tasmania LST is?

WORKING:

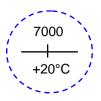
Greenwich (UTC)	1100
ADD	1000
Tasmania Time	2100

Q43.

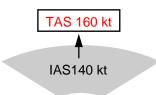
IAS is 140 kt. Temperature is +20°C. Cruise altitude 7000 ft. The TAS is ?

WORKING:

Step 1. Set 7000 ft opposite temperature of +20°C.



Step 2. Read opposite 140 kt IAS the TAS of 160 kt.





BAK Assessment Module 12. END of INTRODUCTION to NAVIGATION - WORKING FILE