

Land Navigation Written Exam



Version A – Tenino

Edition – 7- DMATC

Series – V791

Sheet – 1477 IV

1. What is the road distance in meters from BM 79/ Grid EG1094 to BM 65/ Grid EH0900?
 - a. 6500
 - b. 6900
 - c. 6100
 - d. 5700

2. What is the straight-line distance in meters from BM 61/ Grid EH1603 to the Horizontal Control Station/Grid EG1798?
 - a. 5250
 - b. 5400
 - c. 6300
 - d. 5840

3. What is the road distance in meters from the road intersection located at EG14008840 to the road intersection located at EG16358835?
 - a. 2950
 - b. 2600
 - c. 2350
 - d. 2100

4. What is the grid azimuth from Spot Elevation 147/Grid EG1297 to Spot Elevation 134/Grid EG1098?
 - a. 107 degrees
 - b. 322 degrees
 - c. 287 degrees
 - d. 295 degrees

5. What is the magnetic azimuth from the bridge at grid/EG12159675 to Spot Elevation 147/EG1297?
 - a. 4 degrees
 - b. 10 degrees
 - c. 340 degrees
 - d. 331 degrees

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6. Two observation posts have reported seeing enemy vehicles. OP#1 located at Spot Elevation 189/Grid EG0280 sees them on a 97 degree grid azimuth. OP#2 located at Spot Elevation 176/Grid EG0278 sees them on a 359 degree magnetic azimuth. Where is the enemy located?

- a. EG04557980
- b. EG03308005
- c. EG02458018
- d. EG04858055

7. Friendly forces located at Church of God/Grid EG0385 spot enemy fire at 93 degrees magnetic. Your platoon located at Spot Elevation 137/ EG0682 can see the fire at 312 degrees magnetic. Where is the enemy fire coming from?

- a. EG04158515
- b. EG06058252
- c. EG05808540
- d. EG05058440

8. What color represents individual buildings?

- a. Red
- b. Green
- c. Black
- d. Brown

9. You are driving south on I-5 and run out of gas. You stop on the right side of the Freeway to check your location. From your position you can see a school located at/Grid EG0603 at a 117 degree magnetic azimuth. What is your 8-digit grid coordinate?

- a. EH06230383
- b. EH06050355
- c. EH06550444
- d. EH05970340

10. What is the Supplementary Contour Interval on the Tenino Map Sheet, 1477 IV?

- a. 10 meters
- b. 20 meters
- c. 30 meters
- d. 40 meters

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11. What does the color Brown Represent?

- a. Vegetation
- b. Woods
- c. Elevation and Relief
- d. Buildings

12. You are patrolling vicinity of Rock Prairie / Grid EG0986 and your CO wants to know your position. You look around and see a water tower to the north / EG1088 at 344 degrees magnetic. You turn to your left and see a church at the town of “Violet Prarie” at 256 degrees magnetic. What is the 8-digit grid of your location?

- a. EG09788630
- b. EG09568618
- c. EG09108665
- d. EG10058662

13. What is the elevation of the TV Relay Tower in Grid Square EG1287?

- a. 280 feet
- b. 290 meters
- c. 280 meters
- d. 284 meters

14. While patrolling near McIntosh Lake / EG1790 you become misoriented. You can see Spot Elevation 222 / EG1690 at 240 degrees magnetic and a Lookout tower / EG1887 at 140 degrees magnetic. Where are you located?

- a. EG18509060
- b. EG16809098
- c. EG18919175
- d. EG18759130

15. What map feature surrounds Munn Lake / EH0903, and Lake Susan EH0903?

- a. Light duty road
- b. Depression
- c. Vineyard
- d. Marsh or Swamp

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16. If you were working off map sheet 1477 IV (Tenino) and found that you needed the map sheet to the west, which adjoining map sheet would you request?

- a. 1377 I
- b. 1477 I
- c. 1477 II
- d. 1478 II

17. What is the terrain feature at grid EG10959075?

- a. Cut
- b. Cliff
- c. Saddle
- d. Draw

18. What is the scale of this (Tenino) map sheet?

- a. 1:25,000
- b. 1:40,000
- c. 1:50,000
- d. 1:100,000

19. What is the elevation in meters of the top of Northcraft Mountain EG14658604?

- a. 320
- b. 325
- c. 430
- d. 335

20. The Skookumchuck River ? EG1583 runs through what terrain feature?

- a. Draw
- b. Fill
- c. Depression
- d. Valley