State Forestry CDE Map Exam October 11, 2018

Please bubble your answers under “Practicum 1” on the back page of your scan-tron

1. How many square feet are in an acre?

A. 210 B. 5,280 C. 10,000 D. 24,000 E. 43,560

2. As a general rule, one section of land is \_\_\_\_\_ square mile(s)?

A. 1 B. 5 C. 10 D. 36 E. 640

3. How many sections make up a township?

A. 1 B. 12 C. 18 D. 36 E. 640

4. How many acres are in half of a section?

A. 18 B. 36 C. 320 D. 640 E. 24,000

5. Most areas in the city limits of Minden are in red tint. Red tint indicates areas in which only \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ buildings are shown.

A. landmark B. historic C. bank D. business E. wooden

6. How many degrees are adjusted for magnetic north declination for this quadrangle map?

A. 0.10 B. 3 C. 5 D. 10 E. 89

7. One inch on this map represents 24,000 \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. Inches B. Feet C. Miles D. Degrees E. Minutes

8. The vertical line that divides range R10W from R9W in geographical terms is considered a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. Principal Meridian B. Degree C. Baseline D. Minute E. Pole

9. What is the elevation of the Minden-Webster airport?

A. 248’ B. 250’ C. 268’ D. 270’ E. 278’

10. The topography of this map was made by photogrammetric methods from aerial photographs in 1976. Which year did someone go out and field check the topography?

A. 1978 B. 1981 C. 1982 D. 1989 E. None of these

11. What is the highest elevation in S23, T20N, R9W?

A. 300 B. 350 C. 400 D. 420 E. 500

12. In the same section (S23, T20N, R9W) there is a 40 acre block of land colored white in the bottom left corner of the section. Which of the following correctly describes the location of the 40 acre parcel?

A. SW ¼ of SW ¼, S23, T20N, R9W

B. SW ¼, S23, T20N, R9W

C. SE ¼ of SW ¼, S23, T20N, R9W

D. SW ¼ of SE ¼, S23, T20N, R9W

E. SE ¼, S23, T20N, R9W

13. What does the following map symbol represent? – – – – – – – – – – – – – –

A. Railroad B. Highway C. Unimproved road D. Pipeline E. None of these

14. NE ¼, S30, T20N, R9W there is a creek to the right of Mt. Comfort Church. Which direction does it flow?

A. North/Northeast B. South/Southwest C. North D. East E. West

15. What is the contour interval of this map?

A. 10 meters B. 10 inches C. 10 degrees D. 10 feet E. 10 miles

16. What secondary highway (hard surface) runs through S3, T19N, R9W?

A. Hwy 7 B. Hwy 534 C. Hwy 156 D. Hwy 159 E. Hwy 3008

17. About how many miles across is Caney Lakes from its easternmost shoreline in S34, T20N, R9W to its westernmost shoreline in S5, T19N, R9W?

A. About 1/2 mile B. About 2 miles C. About 5 miles

D. About 10 miles E. About 20 miles

18. The lowest and highest elevations in S5, T19N, R9W are

A. 190 - 250 B. 190 - 230 C. 200 - 230 D. 170 - 270 E. 180 - 200

19. What does this symbol  represent?

A. wind operated device B. quarry/mine C. gravel pit D. rifle range E. golf course

20. N1/2, S17, T19N, R9W has which of the following:

1. Village of Gilark
2. Mount Pilgrim Church
3. A tank farm
4. Allen Cemetery
5. All of the above

Key

1 E

2 A

3 D

4 C

5 A

6 C

7 A

8 A

9 E

10 A

11 D

12 A

13 D

14 B

15 D

16 D

17 B

18 D

19 B

20 A