

**GEOGRAPHIC INFORMATION SYSTEMS
GEOGRAPHIC INFORMATION CENTER
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***** EXAMINATION *****

PUBLIC LANDS SURVEY SYSTEM

1. **The Northwest Territory included**
 - a) Ohio, Illinois, Michigan, Indiana, and Wisconsin
 - b) Washington
 - c) Oregon and Washington
 - d) Washington, Oregon, and Idaho

2. **The Public Lands Survey System was used to sell land in:**
 - a) the Louisiana Purchase
 - b) the Mexican Cession
 - c) Alaska
 - d) All of the above

3. **The two principal reference lines in the Public Lands Survey System are:**
 - a) the nearest degree of latitude and longitude
 - b) the 2 lines in a coordinate system where the scale factor is one.
 - c) the principal meridian and the base line
 - d) None of the above

4. **Township lines are placed at intervals of:**
 - a) one mile from the base line
 - b) two miles from the base line
 - c) four miles from the base line
 - d) six miles from the base line

5. **Range lines are placed at intervals of:**
 - a) one mile from the principal meridian
 - b) two miles from the principal meridian
 - c) four miles from the principal meridian
 - d) six miles from the principal meridian

6. **A section forty miles north of the base line would be located in:**
 - a) Township 1 North
 - b) Township 6 North
 - c) Township 7 North
 - d) Township 8 North

7. **Guide meridians and standard parallels were established every:**
 - a) 6 miles
 - b) 24 miles
 - c) 96 miles
 - d) 144 miles

8. **Guide meridians and standard parallels were established because:**
 - a) of convergence
 - b) of inaccurate compasses
 - c) chaining inaccuracies
 - d) None of the above

9. **Each township contains:**
 - a) 16 sections
 - b) 25 sections
 - c) 36 sections
 - d) 144 sections

10. **The sectional subdivision of townships stopped at:**
 - a) an existing Indian reservation
 - b) an existing Donation land claim
 - c) an existing Military reservation
 - d) All of the above

11. **The NE 1/4 of the SE 1/4 of a section adjoins:**
 - a) the NW 1/4 of the NE 1/4 of the same section
 - b) the NE 1/4 of the NE 1/4 of the same section
 - c) the SE 1/4 of the NE 1/4 of the same section
 - d) the NW 1/4 of the SW 1/4 of the same section

12. **The NW 1/4 of the SE 1/4 of a section adjoins:**
 - a) the NW 1/4 of the NE 1/4 of the same section
 - b) the NE 1/4 of the NE 1/4 of the same section
 - c) the SW 1/4 of the NE 1/4 of the same section
 - d) the SW 1/4 of the SW 1/4 of the same section

13. **The NE 1/4 of the NW 1/4 of a section adjoins:**
 - a) the NW 1/4 of the NE 1/4 of the same section
 - b) the NE 1/4 of the NE 1/4 of the same section
 - c) the SE 1/4 of the NE 1/4 of the same section
 - d) the NW 1/4 of the SW 1/4 of the same section

14. **In Figure 8-8, the tracts numbered 1 to 14 along the meanderable river are:**
 - a) sections
 - b) water lots
 - c) government lots
 - d) Donation land claims

15. **Trees marked along the original lines are called:**
- a) bearing trees
 - b) line trees
 - c) witness trees
 - d) All of the above
16. **In Figure 8-6, the acreage of Government Lot 3 was calculated by:**
- a) dividing the sum of 20.13 and 20.27 by 2 and multiplying by 20
 - b) inspection
 - c) proportioning the outside section lines of Section 6
 - d) by double meridian distance
17. **In Figure 8-6, the south line of Government Lot 3 of Section 6 is:**
- a) 17.96 chains
 - b) 18.00 chains
 - c) 18.04 chains
 - d) 20.00 chains
18. **In Figure 8-6, the acreage of Section 6 was calculated by multiplying:**
- a) the average of the opposite section lines and dividing by 10
 - b) 79.15 chains by 79.15 chains and dividing by 10
 - c) 78.31 chains by 80.00 chains and dividing by 10
 - d) the averages of the opposite sections lines after remeasuring Section 6
19. **In Figure 8-6, the east line of Government Lot 5 of Section 6 measures:**
- a) 18.00 chains
 - b) 18.04 chains
 - c) 20.00 chains
 - d) None of the above
20. **In Figure 8-6, the north-south 1/4 section line is:**
- a) astronomic north
 - b) geodetic north
 - c) parallel to the east line of Section 6
 - d) the average bearing of the east and west lines of Section 6

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