

Mississippi Association of Professional Surveyors



Standards of Practice for Surveying in the State of Mississippi Exam

Answer all questions.

Sign and date the statement on last page.

Send completed exam with payment of \$150.00 to:

MAPS
P. O. Box 3549
Brookhaven, MS
39603

You must correctly answer 22 out of 25 to receive one (1) Professional Development Hour (PDH). Repay for every retest.

Standards of Practice for Surveying in the State of Mississippi Exam

Circle the correct answer for each question.

Sign at the end of exam to acknowledge that you have answered all the questions.

1. Surveying a commercial property located in the business district within the City Limits of D'Iberville, Harrison County, MS would require which Classification of Survey?
 - a. Class "A"
 - b. Class "B"
 - c. Class "C"
 - d. Class "D"
 - e. None of the above.

2. When setting witness corners, which of the following are TRUE?
 - a. When setting 1 witness corner, it should be on the actual boundary line or the prolongation thereof, with the distance from the actual corner noted on the survey plat.
 - b. When setting 2 witness corners, the distance from the true corner should be noted on the survey plat.
 - c. When setting 2 witness corners, the bearing from the true corner should be noted on the survey plat.
 - d. All of the above.

3. When using a previous survey or record description as your reference meridian, all of the following are correct EXCEPT:
 - a. The reference meridian shall be stated on the plat.
 - b. A true meridian, established by accepted methods, must be referenced on the survey plat.
 - c. References to existing subdivisions and City or Town plats are acceptable.
 - d. Requires enough monumentation to establish the original orientation.

4. The required elements of a curve to be shown on the survey plat are:
 - a. Radius, Chord, Arc Length, Tangent
 - b. Radius, Chord Bearing, Mid-ordinate, Chord Length
 - c. Radius, Arc Length, Chord Bearing, Chord Length
 - d. Delta Angle, Radius, Arc Length, Tangent

5. A North Arrow should only be shown if North is not oriented to the top of the page.
 - a. True
 - b. False

6. When preparing a new easement route survey in conjunction with a boundary survey, when is it required that the easement be monumented?
 - a. When the easement route is lying adjacent to or parallel to the boundary survey.
 - b. When the easement route is independent of the boundary survey.
 - c. Easements are not required to be monumented.
 - d. Only when a landowner requests the easement route be marked

7. A Point of Commencement for a boundary survey can be which of the following:
 - a. Any nearby intersection of a street.
 - b. A monumented subdivision plat corner of record.
 - c. Any point that is decided and accepted by the landowner of the property.
 - d. All of the above.

8. Anytime State Plane Coordinates are used on a survey in the State of Mississippi, these surveys must:
 - a. Be performed in accordance with State Law (Chapter 463, Senate Bill 2131, approved March 29, 1991).
 - b. Be clearly referenced to the appropriate horizontal datum on the survey plat.
 - c. Be clearly referenced to the specific State Plane Coordinate System Zone.
 - d. Specify the method used to derive information, such as GPS/GNSS or conventional survey.
 - e. All of the above.

9. A topographic survey that is the final product of that licensee, shall be signed and sealed by the Professional Surveyor or Professional Engineer in responsible charge.
 - a. True
 - b. False

10. The minimum requirements for artificial monuments in the State of Mississippi are:
 - a. 1/2 "diameter, 18" length, contain ferrous metal, identified by license number, COA number or Government Agency name responsible for setting said monument.
 - b. 1/4 "diameter, 20" length, contain ferrous metal, identified by license number and name of the surveyor responsible for setting said monument.
 - c. 3/8 "diameter, 20" length, contain ferrous metal, identified by license number and name of the surveyor responsible for setting said monument.
 - d. Be made of any durable magnetic material.

11. Whenever a survey is performed, it shall comply with:
 - a. Mississippi Code Annotated, Section 73-13-71 (4)
 - b. Mississippi Code Annotated, Section 73-13-73
 - c. Standards of Practice for Surveying in Mississippi
 - d. All of the above

12. Which type(s) of survey(s) can only be performed by or under the direct supervision of a professional surveyor?
- Topographic/As-built surveys
 - Geodetic surveying for determining the size and shape of the earth
 - All surveys that require the establishment or re-establishment of property boundaries
 - All of the above
13. Creating, preparing or modifying electronic or computerized data, including land information systems and geographic information systems, may be performed by or under the direct supervision of a professional surveyor or professional engineer.
- True
 - False
14. All public and private rights-of-way or easements which are observed, adjoining or crossing the land surveyed, shall be shown on the survey plat.
- True
 - False
15. When using State Plane Coordinates, the coordinates of a minimum of _____ reference points, relevant to the survey, shall be shown on the survey plat.
- 1
 - 2
 - 3
 - 4
16. A property description prepared by the surveyor should list all pertinent information that is shown on the survey plat to include P.O.C., P.O.B., course bearings and distances, and descriptions of all corner monuments and witness monuments, and basis of bearings.
- True
 - False
17. A property corner of the parcel you are surveying falls in the center of a creek with light to moderate water flow. You do not set a monument in the center of the creek. What is the proper way to report this on your Plat of Survey?
- Make a note on the Plat of Survey that the monument was not set with no reference monuments set.
 - Note the bearing and distance to two (2) natural monuments on your Plat of Survey with no mention of the natural ties in the survey description.
 - Make a note on the Plat of Survey that the monument was not set. Show the graphic representation of the witness monuments set for the missing corner, with bearings and distances from the true corner. Include all information to the witness monuments in the survey description.
 - Make a note on the Plat of Survey that the monument was not set and note the State Plane Coordinates of the true corner only.

Scenario for questions 18 through 22:

You have been hired to survey Lot 14 of Mossey Oak Estates, a subdivision recorded on June 13, 1972 in the local courthouse at Plat Book 5, Page 47. Lot 14's back line (east) is on the east boundary of the subdivision, being the same as the west line of an adjacent subdivision. The exterior boundary of the Mossey Oak Estates is labeled with bearings and distances. The interior lot lines show dimensions with angles specified from the referenced exterior boundary. The exterior boundary monumentation is a concrete monument at the NW corner of the subdivision, a railroad iron at the NE corner of the subdivision, a railroad iron at the SE corner of the subdivision, and a concrete monument at the SW corner of the subdivision. Your crew locates two iron pins along the east line which measures 246.66' between them, but the subdivision plat specifies the line to be 250.00'. The field crew did not expand their search for monuments to adjacent lots or the extents of the subdivision.

18. Would it be acceptable to issue a Plat of Survey showing the East Line of Lot 14, Mossey Oak Estates, as your reference meridian?
 - a. Yes
 - b. No

19. Would it be acceptable to issue a Plat of Survey without labeling a P.O.C or P.O.B?
 - a. Yes
 - b. No

20. Would it be acceptable to issue a Plat of Survey showing the dimensions of the six (6) lot lines, without bearings, and only three (3) interior angles, one of which differs from the subdivision plat by $01^{\circ}09'17''$?
 - a. Yes
 - b. No

21. It is not necessary to label the adjacent lots, blocks or tracts when issuing a Plat of Survey for Lot 14, Mossey Oak Estates.
 - a. True
 - b. False

22. The existing asphalt drive, two story brick house with a detached garage and 8' privacy fence located by the survey crew, are within 3' of a four-strand barbed-wire fence along the south line of Lot 14. Should these amenities be shown on the Plat of Survey.
 - a. Yes
 - b. No

23. Survey control for a 240 acre survey is set utilizing GNSS/GPS static observations at eight strategic points. These points are shown, described, and labeled with the X, Y, Z State Plane Coordinates on the Plat of Survey. What, if any, additional information must be noted on your Plat?
- a. The State Plane Coordinate System Zone
 - b. The bearings shown are either GRID or GEODETIC
 - c. All horizontal and vertical control points used
 - d. Horizontal and vertical datum used
 - e. All of the above
 - f. None of the above
24. The angular error of a 7 point closed traverse is $00^{\circ}00'43''$. Does this meet the requirements for a Class "A" Survey in the State of Mississippi?
- a. Yes
 - b. No
25. The Manual of Instructions for the Survey of U.S. Public Lands should not be used as a reference for surveying in the State of Mississippi.
- a. True
 - b. False

Please fill in the following information. Exam will not be graded unless all information is provided. (Please print)

First Name: _____ **Last Name:** _____

MS PS#: _____ **Date:** _____

Address: _____

City/State: _____ **Zip Code:** _____

Email: _____

I certify that I took the above exam myself and that the answers selected are my answers.

(signature)
