



Surveying and Mapping Guidelines for Reclamation

15 hour course

PDH Academy
PO Box 449
Pewaukee, WI 53072
www.pdhacademy.com
(888) 564-9098

Final Exam

1. What are considered classifications for surveying and mapping activities performed by or for Reclamation?
 - A. Planimetric
 - B. Topographic
 - C. Hydrographic
 - D. All of the above

2. These types of surveys are to obtain basic data for designs and estimates. Third – order surveys are usually performed for these investigations.
 - A. Preconstruction Surveys
 - B. Advance Planning Surveys
 - C. Post Construction Surveys
 - D. Construction Surveys

3. What is the purpose of cadastral surveys?
 - A. For the making of an official register of the quantity and ownership of real estate
 - B. To control the National Geodetic Survey
 - C. Extensive Aerial photographic coverage is acquired here
 - D. To publish navigation charts

4. Any survey or resurvey of public lands shall be approved or performed by the_____
 - A. NGS (National Geodetic Survey)
 - B. BLM (Bureau of Land Management)
 - C. OMB (Office of Management and Budget)
 - D. BIA (Bureau of Indian Affairs)

5. All types of surveying which are performed for construction activities are called:
 - A. Construction Surveys
 - B. Control Survey
 - C. Planning Survey
 - D. None of the above

6. With respect to coordination with other Agencies, this Agency has issued Circular No. A-16 and exhibits describing the responsibilities of Federal agencies with respect to coordination of the Federal surveying and mapping activities financed in whole or in part by Federal funds.
 - A. National and Oceanic and Atmospheric Administration
 - B. Bureau of Land Management
 - C. Office of Management and Budget
 - D. National Geodetic Survey

7. What type of surveys are performed to determine what distortion, deflection, or movement takes place in the structure?
 - A. Cadastral Surveys
 - B. Surveys for Structural Behavior
 - C. Withdrawn Lands Surveys
 - D. Contract Surveys

8. Which of the following are Construction Surveys?
 - A. Tunnel Surveys
 - B. Surveys of Structural Behavior
 - C. Cadastral Surveys
 - D. Township and Section Surveys

9. Who is the custodian of the records of the original land surveys?
 - A. Reclamation Foreman
 - B. General Contractor
 - C. Director of the BLM
 - D. Regional Director

10. What are two types of Sedimentation Surveys?
 - A. Cadastral Surveys and Townsite Surveys
 - B. Survey Plats and Cadastral Surveys
 - C. Base Sedimentation Surveys and Resurveys of a Reservoir
 - D. Contract Surveying and Mapping

11. _____ is the process of preparing maps from photographs of the earth's surface.
 - A. Plats Viewing
 - B. Reclamation
 - C. Sedimentation Surveying
 - D. Photogrammetric Mapping

12. What is a type of small UAS (Unmanned Aerial Systems) that is commercially available for aerial photographs?
- A. Fixed-Wing Version
 - B. Single-Blade Helicopter
 - C. Multi-Rotor
 - D. All of the above
13. Techniques and standards for map preparation in relation to surveying and aerial photography are discussed in Series_____.
- A. 240
 - B. 550
 - C. 320
 - D. 470
14. When was Circular A-16 originally issued?
- A. 1933
 - B. 1943
 - C. 1953
 - D. 1963
15. When Circular A-16 was revised in 1967, the most significant change in this revision was the addition of a new section called what?
- A. Responsibility of Coordination
 - B. Responsibility of Exhibits
 - C. Responsibility of Development
 - D. Responsibility of Requirements
16. What are the 5 steps to the NGDA Portfolio Management Process?
- A. Inventory; Select; Manage; Evaluate/Monitor; Identify/Execute
 - B. Invoice; Send; Manage; Evaluate/Monitor; Identify/Execute
 - C. Inventory; Select; Measures; Exclusions; Identify/Execute
 - D. Invoice; Send; Measures; Exclusions; Identify/Execute

17. The **RACI matrix** is composed of the four key responsibility areas as follows:
- A. Role, Accountable, Contract, Inform
 - B. Role, Approval, Contract, Inform
 - C. Responsibility, Accountable, Consult, Inform
 - D. Responsibility, Approval, Contract, Inform
18. The resolution requirement for orthoimagery in support of the National Map of the U.S. Geological Survey (USGS) is _____ meter(s).
- A. 4
 - B. 3
 - C. 2
 - D. 1
19. In regards to Radiometric Resolution, imagery with greater than 8 bits per pixel is allowed providing that the following TIFF tags are included in the image header:
- A. SampleFormat
 - B. MinSample Value
 - C. MaxSample Value
 - D. All of the above
20. What was released as a draft in 2010 and then formally published in 2012 and was quickly embraced as the foundation for numerous state, county, and foreign country lidar specifications?
- A. Lidar Base Specification Version 1.0
 - B. National Geospatial Program
 - C. American Recovery and Reinvestment Act
 - D. None of the above
21. Which following guidelines is a condition to follow with collection of lidar data?
- A. Atmospheric conditions shall be cloudy and foggy between the aircraft and ground during all collection operations.
 - B. Ground conditions shall be snow free. Very light, undrafted snow may be acceptable in special cases, with prior approval.
 - C. Ground condition shall have extensive flooding and all type of other inundation
 - D. Leaf covered vegetation is a must.

22. In the Summary of Small Unmanned Aircraft Rules, an Unmanned aircraft must weigh less than:
- A. 45 lbs.
 - B. 55 lbs.
 - C. 65 lbs.
 - D. 75 lbs.
23. To qualify for a remote pilot certification, a person must be at least:
- A. 15 years old
 - B. 16 years old
 - C. 17 years old
 - D. 18 years old
24. What does the Interagency Aviation Mishap Response Guide and checklist do?
- A. Stops the aviation mishap from happening
 - B. Nothing
 - C. Provide both immediate actions and general instructions to follow in the event of an aviation accident.
 - D. None of the above
25. Retention of UAS data and information collected using UAS that may contain PII shall not be retained for more than____, unless retention of the information is determined to be necessary to an authorized mission of the retaining agency, is maintained in a system of records covered by the Privacy Act, or is required to be retained for a longer period by any other applicable law or regulation.
- A. 120 days
 - B. 150 days
 - C. 160 days
 - D. 180 days