

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

ARCTIC AND SUBARCTIC CONSTRUCTION SITE SELECTION AND DEVELOPMENT

1. **Site selection personnel should be able to read:**
 - a) electrical shop drawings
 - b) payroll records
 - c) aerial imagery
 - d) none of the above

2. **Crews available for site selection should include**
 - a) a survey crew and party chief
 - b) a drill crew and foreman
 - c) a local guide
 - d) All of the above

3. **Climate data should include:**
 - a) temperature
 - b) precipitation
 - c) humidity
 - d) All of the above

4. **Where a structure is to be located near a river,**
 - a) levels and frequency of flooding are important
 - b) river depth is important
 - c) river width is important
 - d) none of the above

5. **A determining factor for site selection may be**
 - a) the length of a nearby river
 - b) accurate surface and subsurface information
 - c) the climate
 - d) the arctic weather

6. **Seismic design of buildings will be determined in:**
 - a) accordance with TM 5-809-8/NAVFAC P-355/AFM 88-3
 - b) accordance with TM 5-809-9/NAVFAC P-355/AFM 88-3
 - c) accordance with TM 5-809-10/NAVFAC P-355/AFM 88-3
 - d) accordance with TM 5-809-11/NAVFAC P-355/AFM 88-3

7. **A dam site may have to be selected for:**
 - a) heating water
 - b) impounding water
 - c) for a roadway
 - d) all of the above

8. **A map that can be used for site selection is a**
 - a) U.S. Geological Survey quadrangle sheet
 - b) U.S. Geological Survey base map
 - c) military map
 - d) all of the above

9. **Especially valuable in obtaining data on flooding:**
 - a) is an aerial reconnaissance
 - b) is a ground reconnaissance
 - c) is a subsurface exploration
 - d) is a map

10. **Digital data from the MSS sensors have been available:**
 - a) to the community since June 1968
 - b) to the community since July 1972
 - c) to the community since June 1976
 - d) to the community since July 1983

11. **The MSS obtains data for an area of:**
 - a) 10,225 square miles
 - b) 11,225 square miles
 - c) 13,225 square miles
 - d) 15,225 square miles

12. **Landsat images provide an ideal basis for conducting:**
 - a) a simple terrain analysis
 - b) a regional terrain analysis
 - c) a very small terrain analysis
 - d) a small terrain analysis

13. **The primary use of Landsat images for analyzing terrain is:**
 - a) to conduct a small pattern analysis
 - b) to conduct a binuclear pattern analysis
 - c) to conduct a positional pattern analysis
 - d) to conduct a monoscopic pattern analysis

14. **A lens with a short focal length should be used in:**
 - a) flat areas
 - b) rolling areas
 - c) bumpy areas
 - d) all of the above

15. **Photography intended or use in mosaics should have a:**
- a) 30 percent overlap between frames
 - b) 45 percent overlap between frames
 - c) 60 percent overlap between frames
 - d) 75 percent overlap between frames
16. **The stereoscopic mosaic is used in conjunction with:**
- a) a unifier
 - b) a globe
 - c) a stereoscope
 - d) a microscope
17. **A regional study is followed by a:**
- a) vague stereoscopic study of smaller areas
 - b) detailed stereoscopic study of smaller areas
 - c) limited stereoscopic study of smaller areas
 - d) none of the above
18. **Air photo derived information is recorded directly on a:**
- a) series of Mylar film
 - b) display board
 - c) floppy disk
 - d) hard drive
19. **Ice-rich, silty deposits are**
- a) alluvial fans
 - b) solifluction slopes
 - c) thermokarst
 - d) located in flood-plain and fine-grained areas
20. **A frost defined on a temperature basis is a**
- a) light frost
 - b) morning frost
 - c) permafrost
 - d) none of the above

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*** ANSWER SHEET *** U459 ARCTIC AND SUBARCTIC CONSTRUCTION SITE SELECTION AND DEVELOPMENT	<u>STATE BOARD</u>	<u>COURSE NO.</u>	<u>VALUE</u>
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