

Instructions. You receive two points for a correct answer. You lose a point for an incorrect answer. Blank responses lose no points. Please fill in the bubbles completely on the answer sheets. You may write on the exam, but all responses must go on the answer sheet. Figures are contained in the separate resource packet. Diacritic marks such as accents have been omitted from place names and other proper nouns. You have **one hour** to complete both the written exam *and* this portion of the multiple choice exam.

1. Refer to Figure 1. A few days ago, when ordering polo shirts for Team USA, our staff asked the shirt company to update last year's inscription to add the information about this year's iGeo. We unfortunately assumed that they knew that...
 - (a) Belgrade's country uses the Hebrew calendar, so it should read 5777 instead of 2017
 - (b) Bulgaria ceased to exist as a country after the 2014 Romanian conquest
 - (c) Commas are illegal in Bulgaria
 - (d) Belgrade is actually in Serbia
2. Which of the following countries does the United States have a trade surplus with?
 - (a) The Netherlands
 - (b) Mexico
 - (c) Japan
 - (d) China
3. Which of the following features are you most likely to cross over sailing from Sligo to Surtsey?
 - (a) Gakkel Ridge
 - (b) Bear Seamount
 - (c) Puerto Rico Trench
 - (d) Rockall Plateau
4. President Donald Trump has proposed a massive wall along the United States-Mexico border. The habitat of which of the following animals, based on their natural range, would be the least affected by the border wall?
 - (a) Coyote
 - (b) Fennec fox
 - (c) Gila monster
 - (d) Roadrunner
5. What does the map in Figure 2 show?
 - (a) Ozone levels
 - (b) Average air pressure
 - (c) Plant hardiness
 - (d) Elevation
6. Which airport, a United Airlines hub, is the newest international airport serving a major American city?
 - (a) Denver International Airport
 - (b) Baltimore-Washington International Thurgood Marshall Airport
 - (c) Phoenix Sky Harbor International Airport
 - (d) Dwayne "The Rock" Johnson Honolulu International Airport
7. Shown in Figure 3 the flag of Bong County. What country is Bong County in?
 - (a) Liberia
 - (b) Canada
 - (c) Malaysia
 - (d) Maldives
8. The two spikes in the upper right represent the county's mining industry. Which of the following is not mined in large quantities in the country Bong County is found in?
 - (a) Diamonds
 - (b) Iron ore
 - (c) Uranium
 - (d) Gold

9. What type of rock is shown in the formation in Figure 4?
- (a) Igneous (b) Metamorphic
(c) Sedimentary (d) Progressive
10. What is the generic for the collection of rocks at the bottom of the cliff?
- (a) Tephra (b) Scree
(c) Humus (d) Feldmark
11. Cities are often warmer than surrounding areas. This effect is known as what?
- (a) Metropolitan microwave (b) Farm cooling
(c) Urban heat island (d) Anthrotropic adiabacity
12. Which of the following bodies of water is a distributary?
- (a) Gulf of Aqaba (b) Jordan River
(c) Damietta (d) Caspian Sea
13. Shown in Figure 5 is a topographical map of a section of the central Oregon Coast. What government agency produces detailed topographical maps of the entire United States like this one?
- (a) National Aeronautics and Space Administration (b) Bureaul of Land Management
(c) United States Geological Survey (d) National Oceanic and Atmospheric Administration
14. Peyton Manning has decided in retirement to move to the Oregon Coast. He wants to build a house with a football field in the backyard. The realtor showed him four properties, marked by red boxes. Assuming road access is not an issue and the properties are the same size, which site is the most sensible pick?
- (a) A (b) B
(c) C (d) D
15. Note the red arrow on the map. Which direction is the path of the arrow going?
- (a) Uphill (b) Downhill
(c) Remaining on flat ground (d) This information is not accessible from this map
16. Shown in Figure 6 is a recently-completed structure in South Korea, the first of its kind in mainland Asia. What is it?
- (a) Particle accelerator (b) Coal mine
(c) Bobsleigh/luge/skeleton track (d) Formula One track
17. Refer to Figure 7 for questions 17-19. Which of the ovals would you most want to travel to if you wanted to practice your Cantonese?
- (a) A (b) B
(c) C (d) D
18. Which oval would you go to if you wanted to watch the sun rise at 9:45 AM local time in January?
- (a) A (b) B
(c) C (d) D

19. Which oval would you most want to travel to if you wanted to try to find a baiji in the wild, a species of dolphin that hasn't been seen in its native habitat since 2004?
- (a) A (b) B
(c) C (d) D
20. What does the term insolation refer to?
- (a) The material used to keep a building warm (b) The increase or decrease in temperature caused by geothermal vents
(c) The volume of ice covering a given area (d) The amount of solar radiation hitting the Earth's surface
21. Shown in Figure 8 Cameroon's Lake Nyos, which was the site of a limnic eruption in 1986. More than 1,700 people died after about 200,000 tons of what gas came to the surface overnight?
- (a) Helium (b) Hydrogen cyanide
(c) Carbon dioxide (d) Methane
22. What much larger lake, along the border of the Democratic Republic of the Congo and Rwanda, may in the future be the site of a limnic eruption?
- (a) Lake Turkana (b) Lake Edward
(c) Lake Albert (d) Lake Kivu
23. Which state would be the least likely site of a Category 4 landfalling hurricane on the Saffir-Simpson scale?
- (a) Florida (b) North Carolina
(c) Massachusetts (d) Texas
24. What is the term for the semi-submerged artificial structures placed along a beach perpendicularly to the shoreline as seen in Figure 9?
- (a) Groins (b) Quays
(c) Bullens (d) Gabions
25. The structures in the previous question are built to prevent beach erosion from what process?
- (a) Marine regression (b) Longshore drift
(c) Downwelling (d) Langmuir circulation
26. What is the direction of the current off the shore?
- (a) North to south (b) East to west
(c) West to east (d) South to north
27. Taylor has a farm in Idaho. On one of her fields, she has grown corn every year for the last 15 years. What is this practice called?
- (a) Monocot (b) Unibotany
(c) Unicycling (d) Monoculture
28. On her other field, she rotates crops annually. She plants legumes every other year. What's the most likely reason Taylor does this?
- (a) Legumes can be turned into ethanol much more easily than corn, making them a profitable cash crop (b) Legumes have a nitrogen-fixing bacteria, which can fertilize the other plants in the rotation
(c) Legumes repel aphids, a major pest for corn (d) She needs to prepare for the biennial Boise Baked Bean Bonanza, the biggest bean bash beyond Boston

- 29.** Which of the following plants would be the least successful crop in her crop rotation?
- (a) Sugarcane (b) Wheat
(c) Onions (d) Soybeans
- 30.** The Ridge-and-Valley Province of the Appalachians was a major impediment to the construction of which landmark American construction project?
- (a) Chesapeake and Delaware Canal (b) Mount Rushmore
(c) Hoover Dam (d) Pennsylvania Turnpike
- 31.** Which of the following American territories is located south of the Equator?
- (a) Guam (b) Midway Atoll
(c) American Samoa (d) The United States has no territory south of the Equator
- 32.** Which is a true statement about the recent Austrian presidential election runoff?
- (a) The winning candidate was from the Green Party, a first in European politics for a country's president (b) The winning candidate won proportionally more votes in cities, and the losing candidate won more votes in rural areas
(c) The losing candidate, Aloysius Glockenspiel, burned an effigy of the winning candidate using his lederhosen in the southern city of Klagenfurt (d) Both A and B
- 33.** What is the name of the religious structure seen in Figure 10?
- (a) Ziggurat (b) Pura
(c) Dakhma (d) Stupa
- 34.** What religion is it associated with?
- (a) Shintoism (b) Zoroastrianism
(c) Buddhism (d) Hinduism
- 35.** Which of the following urban actions could NOT have been prevented by a municipal zoning code?
- (a) A factory opening in a residential neighborhood (b) Construction of a six-story condominium building in a neighborhood of single-family homes
(c) An ex-convict moving into a neighborhood, lowering property values (d) A shopowner replacing his store with loft apartments
- 36.** What is the most visited National Park in the United States, playing host to more than 11 million visitors in 2016?
- (a) Great Smoky Mountains (b) Yellowstone
(c) Hawai'i Volcanoes (d) Grand Canyon
- 37.** The Heartland Theory, which is shown in Figure 11 and posited that Central Asia was the "Geographic Pivot of History," was a seminal thesis of geopolitics put forth by what British geographer?
- (a) Jereme Stark (b) Halford Mackinder
(c) Carl Sauer (d) Yi-Fu Tuan

- 38.** The “Pivot Area” as labeled on the map was most pivotal (pardon the pun) to what geopolitical conflict?
- (a) Balkanization
 - (b) The Frontier Thesis
 - (c) The British Raj
 - (d) The Great Game
- 39.** Despite its alpine setting, which of the following lakes, also seen in Figure 12, is not in Switzerland?
- (a) Lake Geneva
 - (b) Lake Como
 - (c) Lake Constance
 - (d) Lake Neuchtel
- 40.** Due to the capital being located in its eighth-largest city, what country’s Prime Minister maintains a secondary residence, the Kirribilli House as seen in Figure 13, in its largest city?
- (a) Uganda
 - (b) Australia
 - (c) Tanzania
 - (d) New Zealand